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The



CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

MAY 30 1959



put **QUICKIES** on display!

Year after year Quickies sales get more and more exciting! No wonder chemists are ordering more and more Quickies. And with the support of more and more advertising this year, those same chemists are displaying Quickies right where customers can see them. They're making sure that Quickies business doesn't get away for want of a little reminder—display Quickies to-day!

It's a better-than-ever year for **QUICKIES** sales **1959**



for everything photographic

Yes—everything, but everything. Apparatus, sensitised materials, chemicals. All are obtainable from SOUTHALL BROS. & BARCLAY—the name that means *everything* in photography. Remember, too, that equally comprehensive photographic stocks are available from the following companies with which we are associated.

Sangers Limited
London Bristol Newcastle

John Thompson Limited
Liverpool

May Roberts & Company Limited
London Liverpool Plymouth

Brooks & Warburton Limited
London

Thos. McMullan & Company Limited
Belfast

Chemists' Supply Company Limited
Bournemouth

Hirst, Brooke & Goodalls Limited
Leeds

Francis Newbery & Sons Limited
Cardiff

SOUTHALL BROS & BARCLAY LTD



GOOCH STREET, BIRMINGHAM. TEL: MIDDLELAND 6461

Rebellious throats



capitulate to

'Tyrozets' and 'Sucrets'

'Tyrozets' and 'Sucrets' are pleasant to taste and are willingly accepted, even when recommended for children. Against this background of ready acceptance by children and adults, 'Tyrozets' and 'Sucrets' instantly and safely soothe sore throats.

'Tyrozets' (exempt P.T.) retail at 2/6d. per tube;
'Sucrets' at 2/5½d. per tin (including P.T.).

'Tyrozets' and 'Sucrets' can be sold by pharmaceutical chemists without a prescription.

'Tyrozets' and 'Sucrets' are Regd. Trade Marks.

MERCK SHARP & DOHME LIMITED, HODDESDON, HERTS



FEEDRITE



NATIONAL CAMPAIGN
STARTS WITH A **SHOUT!**

**ACTION-PACKED
SUSTAINED ADVERTISING
IN ALL THE LEADING
NATIONALS!**

Begins JUNE 4th
and highlighted by
HALF PAGE in the
DAILY MIRROR

**SCHEDULED
TO REACH
NURSING MOTHERS**

As this magazine goes to press, spaces have been booked in the following publications—

**DAILY MIRROR, DAILY EXPRESS
NEWS OF THE WORLD
REVEILLE • WOMAN'S MIRROR
SUNDAY PICTORIAL
WEEKEND • THE PEOPLE
AND MANY MORE TO FOLLOW!**

These well-aimed spaces will be bringing the compelling Feedrite message to mothers throughout the U.K.—creating a powerful, lasting demand for this most important product!

**Mothers Know and Trust Feedrite Products
They're Best for Baby - Most Profitable for You!**

FEEDRITE

The All-**NEW** HYGIENIC NURSER

For the first time gives mothers the assurance of complete feeding bottle sterilization!

To retail at **3/11**



NEW

ingenious 2-part top keeps the teat untouched by hands!

NEW

unbreakable Polythene bottle can be boiled!

NEW

free-flowing flange teat prevents wind and colic!

NEW

lightweight, leak-proof design—a boon for travelling!

FREE BLOCKS for your own ADVERTISING!

Why not remind mothers that they can obtain their Feedrite Nurses from you—by co-ordinating your local advertising with the Feedrite national campaign. **FREE** stereos of this eye-catching advertisement will be rushed to you on request!

**AS SOON AS YOU SHOW,
YOU SELL**

FEEDRITE LTD.

300 Kingston Road, London, S.W.20
Telephone: LIBerty 3443

* **Don't Forget**
those other fast-selling Feedrite products too! There's a complete range for Baby—including the wonder "STAY-WARM" that keeps the milk warm right through the feed.

PROVEN—BEST SELLERS!

**MOTHERS—
The NEW
HYGIENIC NURSER**

FEEDRITE

Really Hygienic Feeding means **HANDS OFF!**

In unbreakable, boilable POLYTHENE **3/11**

Complete with free-flowing anti-colic teat.

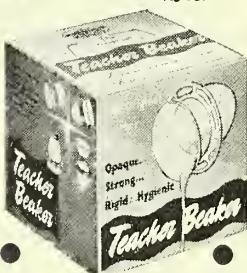
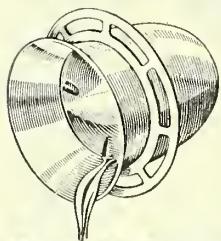
NOW FOR THE FIRST TIME—COMPLETELY EFFECTIVE STERILISATION! New Feedrite with the ingenious 2-part top keeps the teat hygienically protected...never exposed until you're actually ready for the feed! Also ask to see the Feedrite "STAY-WARM"—keeps Baby's milk at just the right temperature throughout the feeding.

AT YOUR CHEMISTS NOW!

YOUR NAME AND ADDRESS HERE

Teacher Beaker

REGD.



POLYTHENE

Translucent and unbreakable.
Wholesale: 36/-d. doz. + 12½%
INDIVIDUALLY BOXED

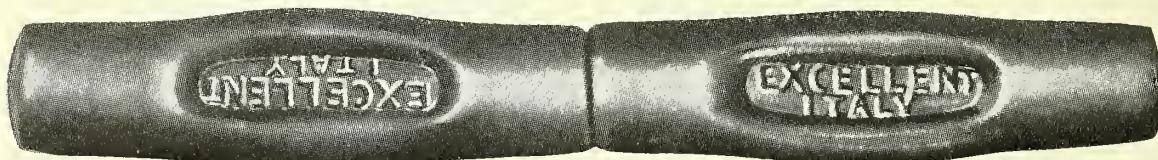
UREA

Original opaque
Wholesale: 31/4d. doz. + 12½%
Retail: 4/3d. each.
INDIVIDUALLY BOXED

made by J. L. CAPLIN LTD.
178/180 Homerton High St.,
London, E.9.



ORDER FROM YOUR USUAL WHOLESALER



"EXCELLENT" is the name of our Licorice Juice Stick and excellent is the quality of all our drugs. Essential Oils and Spices.

BROME & SCHIMMER LTD.
7 LEATHER MARKET, LONDON, S.E.I.

NATURAL
EPHEDRINE ALKALOID ANHYDROUS
N.F.X

THE BRITISH DYEWOOD COMPANY LIMITED
19 St. VINCENT PLACE GLASGOW C.1

"Eesiness"

ELASTIC BAND TRUSSES

Bands and understraps in strong elastic.
Sponge rubber pads covered velveteen,
and available in two thicknesses. All
our band trusses are jig assembled,
ensuring accuracy and uniformity.
Fully conforming to N.H.S. specifications.

TRADE PRICES

N.H.S. QUALITY ELASTIC BAND TRUSSES

Single Scrotal	each 15/6
Double Scrotal	24/-
Single Inguinal	15/6
Double Inguinal	24/-
Special Trusses can be supplied to instructions.	

Wholesale terms on application

E. SALLIS LTD.

VERNON WORKS • BASFORD • NOTTINGHAM
PHONE: NOTTM. 77841/2 GRAMS: "EESNESS"

INDEX TO ADVERTISERS

Ashwood Timber Industries, Ltd.	44	Daniel, Richard, & Son, Ltd.	15
Associated Products (England), Ltd.	Front Cover	Dr. Wernets	44
Beatson, Clark & Co., Ltd.	40	Elga Products, Ltd.	Interleaved Edit., 591
Berdoe & Fish	Classified Section	Ever Ready Co. (G.B.), Ltd., The	Cover iii
Boots Pure Drug Co., Ltd.	22, 30, 44	Fallowfield, Jonathan, Ltd.	30
Bowater-Scott Corporation, Ltd.	32, 33	Feedrite, Ltd.	2, 3
British Drug Houses, Ltd., The	29	Felling Zinc Oxide Co., Ltd.	40
British Dyewood Co., Ltd., The	4	George, Ernest J., & Co.	Classified Section
Brome & Schimmer, Ltd.	4	Glaxo Laboratories, Ltd.	5
Burroughs Wellcome & Co.	Interleaved Edit., 25	Greenwood Laboratories, Ltd.	Interleaved Edit., 26, 27
Bush, W. J., & Co., Ltd.	36	Halex	31
Caplin, J. L., Ltd.	4	Hamburger, M., & Sons	44
Chemist and Druggist Pharmaceutical Formulas, Volume II	45	Hughes, E. Griffiths, Ltd.—Kwells	8
Coates & Cooper, Ltd.	36	Hunter, R. F., Ltd.	38
Colman, J. & J., Ltd.	20	Hydra Sponges, Ltd.	50
Cox, Arthur H., & Co., Ltd.	17		
Crookes Laboratories, Ltd., The	35		
Cuticura Preparations	34		
Cuxson, Gerrard & Co., Ltd.	7		

(continued overleaf)

GLAXO LABORATORIES

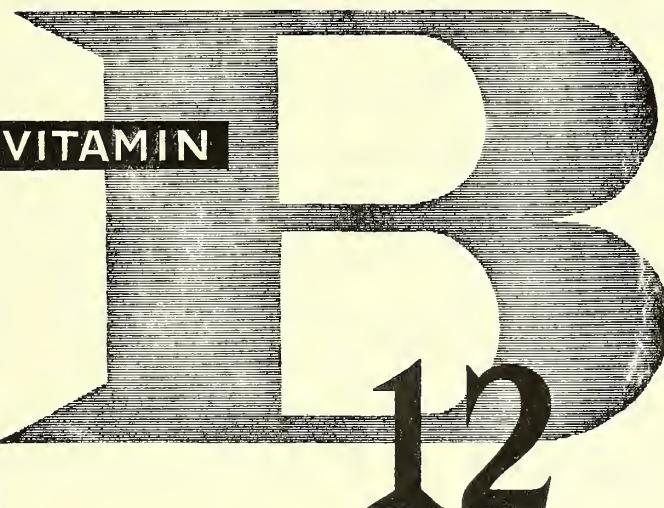
Leading producers of **VITAMIN**

OFFER

PURE CRYSTALLINE SUBSTANCE

B₁₂ TRITURATES

B₁₂ SOLIDS



FOR ALL PHARMACEUTICAL PURPOSES

Pure—stable—high biological activity

* Produced by *streptomyces griseus* fermentation



BULK SALES DEPARTMENT, GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRON 3434
Subsidiary Companies or Agents in most countries

INDEX (cont.)

Ilford, Ltd.	14
Illingworth, E., & Co. (Bradford), Ltd.	23
Kay Bros., Ltd.	34
Kodak, Ltd.	34
Lake & Cruickshank, Ltd.	Cover iv
Lederle Laboratories Division	Interleaved Edit., 28
Martin Display	6
Matthews & Wilson, Ltd.	13
Medico-Biological Laboratories, Ltd.	38
Meggeson & Co., Ltd.	41
Merck Sharp & Dohme, Ltd.	1
Mondart, Ltd.	16
Mysore, Trade Agent for	40
Organon Laboratories, Ltd.	24
Ormskirk Photo Services, Ltd.	Classified Section
Orridge & Co.	Classified Section

Philippe, André, Ltd.	7
Ransom, William, & Son, Ltd.	46
Remington Rand, Ltd.	10, 11
Roberts Windsor, Ltd.	19
Robinson & Sons, Ltd.—Nikini	Interleaved Edit., 592
Robinson & Sons, Ltd.—Pill Boxes	37
Sallis, E., Ltd.	4
Sangers, Ltd.	Cover ii
Silvikrin Laboratories, Ltd.	12
Thompson & Capper, Ltd.	9
Thornton & Ross, Ltd.	15
Vacco, Ltd.	21
Vitamins, Ltd.	42
Washington Chemical Co., Ltd., The	39
Woolf, Lewis, Ltd.	18
Zeal, G. H., Ltd.	18

It's crystal clear...

The more they SEE, the more they BUY

£12
COMPLETE



The beauty of a Martin glass display case is that it shows merchandise of every description to your customers' best advantage. Each individual case, with its gleaming chrome fittings, is tested and guaranteed before delivery. Choose a vertical or sloping showcase and build better business from the moment it is installed.

Unit of two vertical cases and one sloping case. Price per set £12. 0. 0. (Vertical showcase 24" high, 18" wide, 12" deep. Price £4. 5. 0. Sloping showcase 14" high, 36" wide, 12" deep. Price £4. 5. 0. You save 15/- an 3 cases.) Vertical and sloping cases packed separately. All prices carriage paid in Gt. Britain. All packages FREE of charge and NON-returnable.

MARTIN'S GLASS DISPLAY CASES

LOOK INTO IT TODAY—EQUIP YOUR SHOP THE MODERN WAY! Send immediately for fully illustrated leaflet of Martin Display Cases and prices.

Name

Address

Post to: MARTIN DISPLAY (Dept. CD), 52 Market St., Watford, Herts. Tel: Watford 9287

André Philippe

NEW
anti-perspirant
deodorant
 (FULL SIZE)

ROLL-ON

At a **NEW PRICE LEVEL** retailing
 at 2/6 inc. P.T.

ELEGANT POLYTHENE PACK IN THE LATEST
 FASHION SHADES — LILAC/GREY

1 Doz. attractive show box outers, assorted lilac and grey
 16/10d. per doz. plus 25% P.T.



Available from **ANDRÉ PHILIPPE LIMITED**
 16 COSWAY STREET, MARYLEBONE, LONDON, N.W.1. Telephone: Paddington 6502
 or through your usual wholesaler. We shall be pleased to send you a complete price list on request.

**CHEMISTS
ONLY**

The First Aid Dressing

to recommend—

ADAPTOPLAST

9d TINS—6/5 DOZEN

1/6 TINS—12/10 DOZEN

A PRODUCT OF *Crasco, Gerrard & Co. Ltd.* OLDBURY, BIRMINGHAM

TRAVEL SICKNESS

The Facts

**HYOSCINE is proved
TWICE AS EFFECTIVE
as the next best remedy**

“...more effective than any other treatment...”

*“...there is no doubt that this drug remains
the most effective one...”*

*“...gave significantly better protection than
other treatments”*

These phrases are taken straight from the actual report which appeared in The Lancet of April 25th, 1959. The report stresses the supremacy of Hyoscine Hydrobromide (Kwells) for the prevention of motion sickness. Tabulated evidence (see below) shows that Hyoscine (Kwells) is actually TWICE AS EFFECTIVE as the next best remedy.

Be sure your customers get the benefit of the best product available. When they ask you for “something to prevent travel sickness”, remember Kwells are best for *all* forms of travel sickness—by road, by rail, by sea or air. And Kwells are safe for children.

These tables are taken from the full report on the recent motion sickness trial. THE LANCET April 25, 1959 page 853	INCIDENCE OF VOMITING AND NAUSEA AFTER VARIOUS TREATMENTS					PERCENTAGE PROTECTION* Compared with no treatment	
	Treatment	No. treated	No. vomiting	No. feeling sick	Total	% protected from vomiting	% protected from vomiting and nausea
	HYOSCINE	73	4	6	10	81%	82%
	Cyclizine	73	9	9	18	58%	39%
	Meclozine	73	17	12	29	17%	0%
	Perphenazine	73	16	17	33	25%	-12%

*Calculated by the formula: $\frac{\% \text{ affected after control} - \% \text{ affected after treatment}}{\% \text{ affected after control}} \times 100$

Kwells THE HYOSCINE FORMULA

Each Kwells tablet contains 0.0046 grain Hyoscine Hydrobromide B.P.
Dosage: single, or repeated as required. Full details enclosed with each packet.

1/9 for 10 tablets. From Chemists Only
E. GRIFFITHS HUGHES LTD. MANCHESTER



YOUR customers want the BEST - at the LOWEST PRICE

MOTHAK FLY SPRAY

SELLS AT

4'3

and shows you 36½% margin

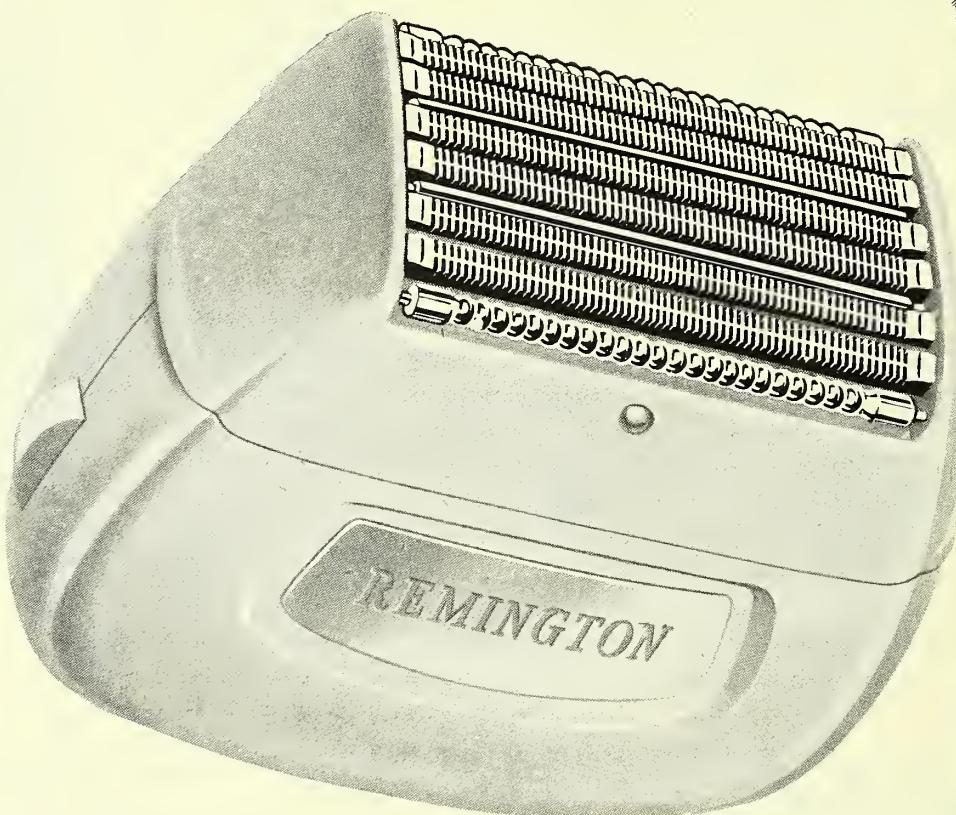


Your customers are now seeing these advertisements everywhere in National Dailies, Sundays and Women's Magazines. Make sure you have MOTHAK FLY SPRAY on show.

Sell-
**MOTHAK
FLY SPRAY**

THOMPSON & CAPPER LTD., LIVERPOOL 24

THE ANSWERS TO THIS REMINGTON QUIZ

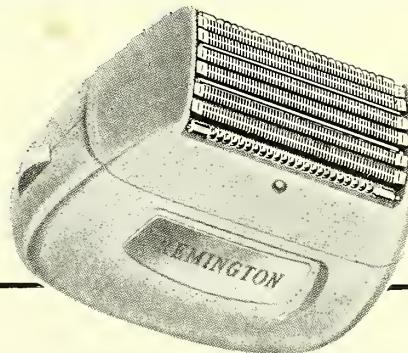


WIN THE PRIZE OF BIGGER PROFITS!

EVERY DAY you can lose sales because your assistants don't know *all* the answers. Here are the *selling* answers to the most commonly asked questions about the shaver with the biggest profit. A few minutes' study by your assistants and no prospective buyer of a New Remington will be lost through lack of product knowledge. The answers all add up to *bigger profits* for you!

Questions

- 1 Why does the New Remington give the world's fastest shave?
- 2 Why does the New Remington shave closer than ever?
- 3 How do exclusive Roller-Combs work?
- 4 How many shaving edges has the New Remington? How many cutters?
- 5 Why is it the easiest shave?
- 6 Does the New Remington trim sideboards and moustache?
- 7 Is the New Remington guaranteed?
- 8 What after-sales service is available?
- 9 Is there a trade-in allowance?
- 10 Can the New Remington be bought on easy terms?
- 11 How much is the New Remington?
- 12 What profit does the retailer make on each sale?



Answers

- 1 Because it has the biggest effective shaving surface of any shaver, with its 3 twin shaving heads. (FIG. 1.)
- 2 Because of its exclusive Remington Roller-Combs.
- 3 Roller-Combs roll down the skin, comb the whiskers up into the cutters, which snip them off at bases. (FIGS. 3 & 4.)
- 4 12 multiple shaving edges, 360 cutters.
- 5 Because the contoured shape of the head gets the cutters comfortably closer to the skin, even in hard-to-reach areas on chin and neck. (FIG. 1.)
- 6 Yes, simply by removing the hair pocket and using the right-angled edges of the shaving head. (FIG. 2.)
- 7 Yes, for one year.
- 8 Remington provide country-wide, world-wide after-sales service, leaving retailers free to do the selling.
- 9 Yes, an allowance of £2 is made on old shavers of any make.
- 10 Yes, Remington operate a special Easy Terms scheme for dealers.
- 11 £10. 13s. od. for the Standard model.
- 12 £2. 9s. 9d.

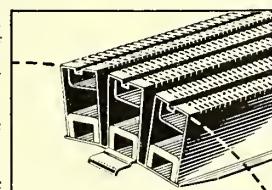


FIG. 1

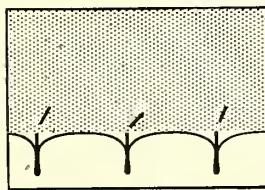


FIG. 3



FIG. 2

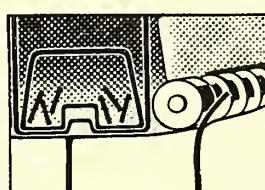


FIG. 4

BRITAIN'S FASTEST-SELLING SHAMPOO NOW IN A NEW CONTEMPORARY BOTTLE!



RETAIL PRICE

3/3 and 1/8

Silvikrin Shampoos sell faster because, at County Laboratories, things never stay still. Advertising, research, packaging . . . developments are constantly in progress to keep Silvikrin products on top of the market. And here's the latest . . . an elegant new bottle for Silvikrin Liquid Shampoo. It's modern, easier to use and it can't slip in wet hands.

**It's
a natural
for display!**

Display this striking new bottle prominently and see how it brings you more sales, more profits

**★
A GREAT NEW
ADVERTISING CAMPAIGN
STARTS NEXT MONTH**

All television stations and big colour spaces in the largest women's magazines will back the increasing sales of

SILVIKRIN LIQUID SHAMPOO

MATTHEWS AND WILSON

For Your TABLETS

We have long experience in the
FORMULATION AND MANUFACTURE
of medicinal tablets of all types for
pharmaceutical organisations, hospital
authorities and proprietary houses,
both at home and for most countries
of the world—All standard B.P., B.P.C.,
N.F. Tablets are stocked for
prompt delivery

*Customer's Materials Processed
Home and Export Inquiries Invited*

MATTHEWS & WILSON LTD.

Larkhall Works, Morrish Road, London, S.W.2. Tel:TULSE HILL 5881/2

NEW

the ILFORD Sporti

low-price camera will sell by the thousand

The appealing design of the new ILFORD Sporti and its practical features will make it a seller at sight.

Sporti takes 12 exposures (2½ in. square) on 120size roll film, and here is the specification:

**Lens in focusing mount (5 ft. to infinity)
with marked scale**

2-position aperture control

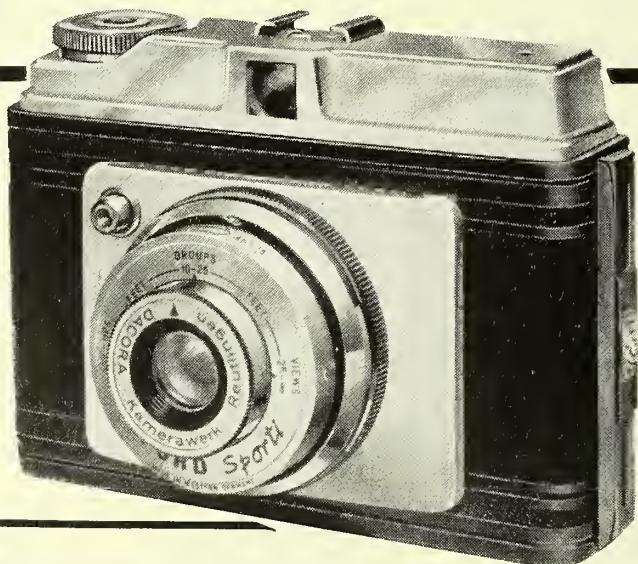
Modern press-button shutter release

Eye-level viewfinder

Flash-synchronised shutter

Accessory mounting shoe

Remember that for handiness, contemporary styling, and refinements that do not complicate the job of taking pictures—you won't find a camera to compare with the new ILFORD Sporti at the price.



Retail £3. 17. 7

Ever-ready case to retail at £1.1.10

★ N.B. ILFORD Sporti is being advertised in the *Radio Times* and the popular press with a recommendation for ILFORD Selochrome Pan as the ideal film to use with it.

Stock up with ILFORD films and sell the ILFORD Sporti camera

**This
is the Pack for
YOUR dispensary**



**Supplies obtainable
from your usual
Wholesaler**

Sample box gladly sent upon request from

RICHARD DANIEL & SON, LTD.

Mansfield Rd., Derby. Tel. 40671 (10 lines) and at
Grosvenor St., Ashton-u-Lyne. Tel. 5161 (9 lines)

Manufactured and packed
in the Laboratories of

Zoflora

floral DISINFECTANT

BACKS UP THE RETAILER all the way!

A GOOD PRODUCT

Zoflora floral disinfectant is a powerful germicide with a pleasant fragrance. Housewives all over the country use it regularly. It is a good steady seller.



*there's good business
for you in Zoflora*

A GOOD RANGE

Besides the standard bottle of concentrate retailing at 2/6 there is the Spray Pack at 2/- The Junior Outfit at 3/9 The Standard Outfit 12/6 and Zoflora aerosol at 4/6

WELL ADVERTISED

Sales of Zoflora are assured by the vigorous national advertising appearing regularly in the mass circulation women's magazines, in Reader's Digest, Radio Times and the National Sunday Press. Every I.T.V. station in the country will transmit Zoflora spot advertisements during June.

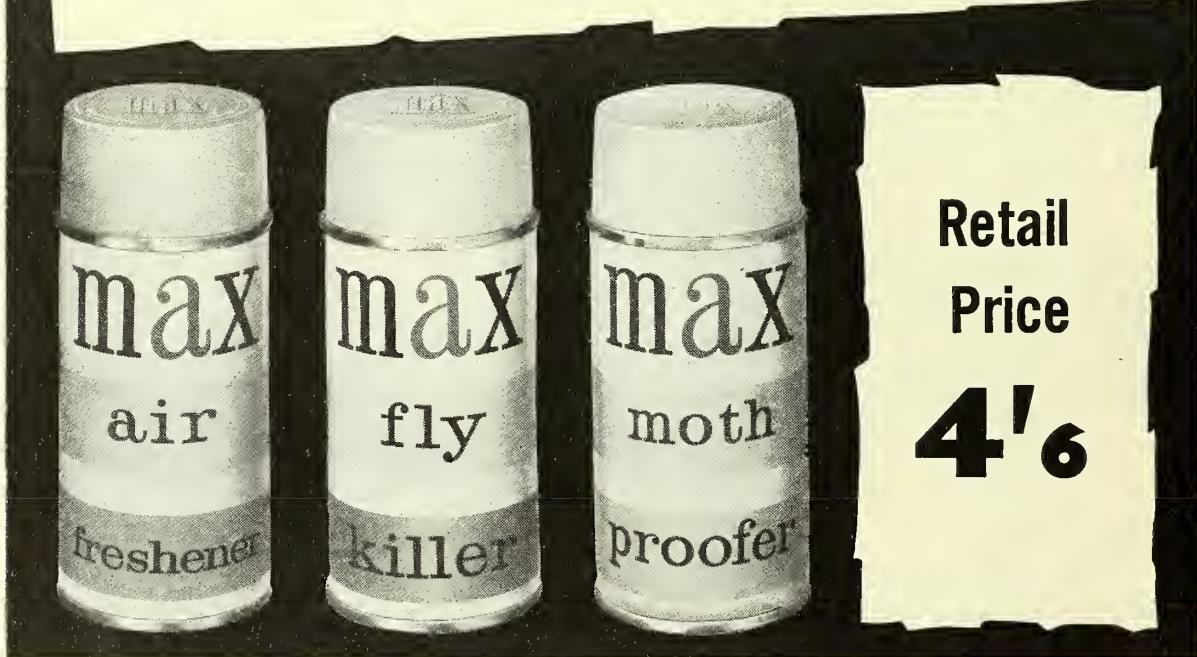


FREE SHOW MATERIAL



*
**ATTRACTIVE SHOW CARDS
ARE AVAILABLE ON REQUEST**

maximum sales with
 max the aerosol packs
 with woman appeal



Now! On T.V. every night for 14 weeks

THE RADIO TIMES

Every week for 13 weeks

THE T.V. TIMES

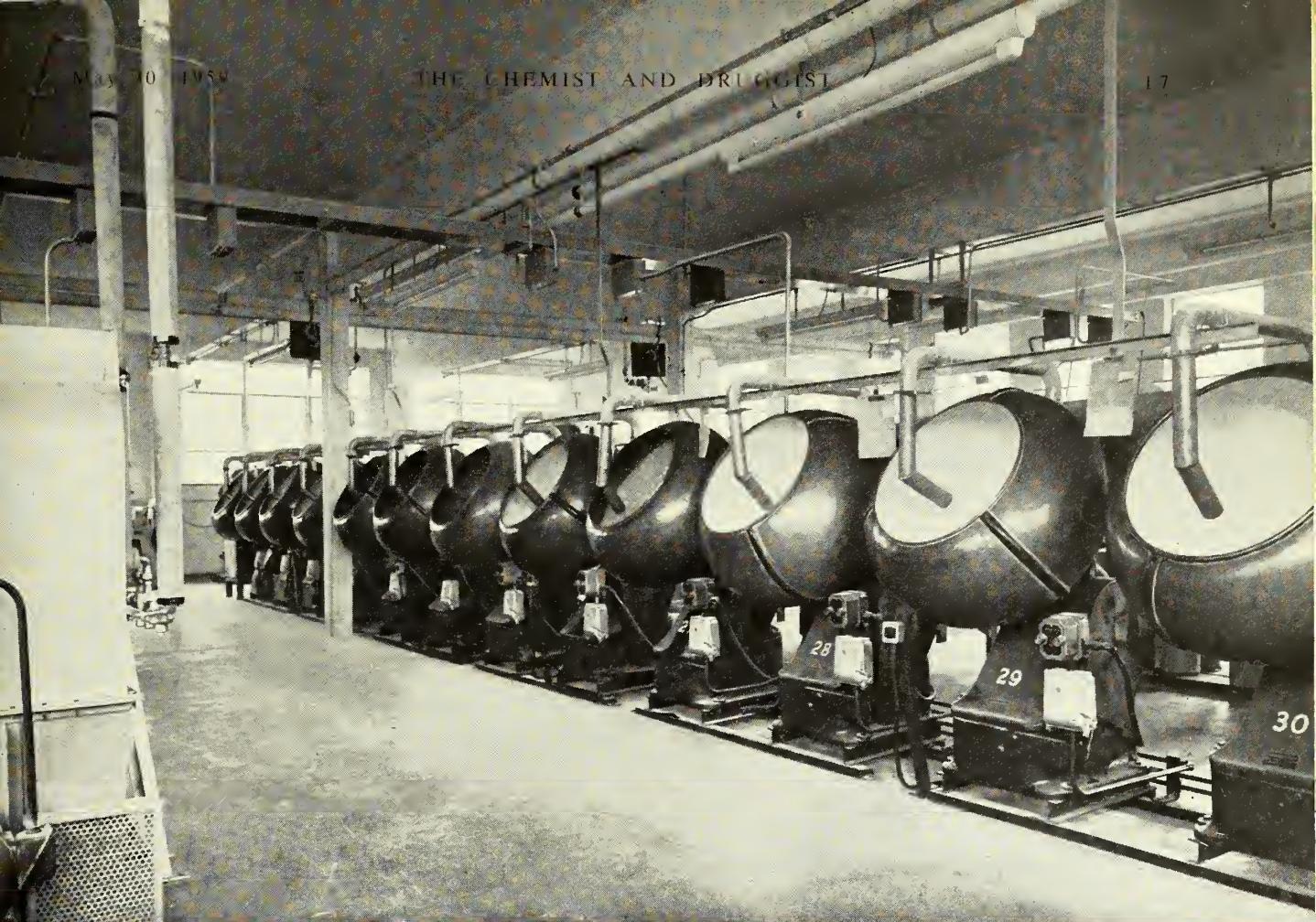
Every week for 11 weeks

ALL HOME MAGAZINES

Continuously for four months

**Cash in
Now!**

Phone your wholesaler



The supply of continuous precision
Tablets in BULK

forms part of our unique service which offers great advantages to wholesale and retail pharmacists, and proprietary brand Houses.

Not only are there facilities here at our Brighton plant for manufacturing and coating tablets on a massive scale, but the latest methods of packaging tablets in bulk also form part of this service. Our daily, post paid, breakage free delivery is an example.

Whatever your tablet problems may be—consult us first. It is more than likely that our technicians will be able to help you considerably.



The Foremost Tablet House

ARTHUR H. COX & CO. LTD.
BRIGHTON • ENGLAND

The name that guarantees accuracy

- CLINICAL THERMOMETERS
- HOUSEHOLD THERMOMETERS
- INDUSTRIAL THERMOMETERS

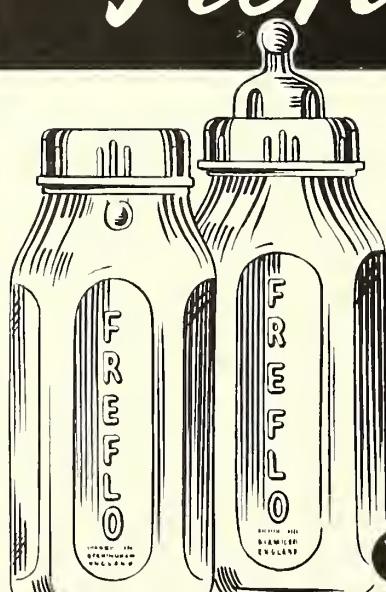
**G. H. ZEAL
LTD**

LOMBARD ROAD · MORDEN
ROAD · LONDON · S.W.19

Telephone: LIBERTY 2283-4-5-6 and 4201
Cables: "Zealdom" London



Freflo



A QUALITY
Griptight
PRODUCT

UNBREAKABLE POLYTHENE
SCREW CAP FEEDING BOTTLES

NOW FITTED WITH HIGH DENSITY
UNBREAKABLE POLYTHENE CAPS
IN BLUE, PINK & NATURAL SHADES
THESE FEEDERS CAN BE STERILIZED
BY BOILING

THE FINEST AND CHEAPEST
FEEDER IN THE WORLD

RETAILS AT 2/- COMPLETE WITH TEAT

WHOLESALE
ONLY

WRITE FOR DETAILS

TEAT REVERSED
AND HERMATICALLY
SEALED

LEWIS WOOLF LTD.
144 OAKFIELD RD. · BIRMINGHAM 29

ROBERTS WINDSOR

fine soaps and toiletries



New advertising
sells loveliness
through full colour

colourful products...
colourful packs...
colourful advertising...

Roberts Windsor's growing popularity is apparent—and it has extra backing from beautiful full-colour advertisements in major women's magazines like WOMAN, WOMAN'S OWN, QUEEN, HOMES & GARDENS, EVERYWOMAN, HOUSEWIFE, GOOD HOUSEKEEPING and WOMAN & BEAUTY plus regular smaller spaces in National class newspapers like the Daily Telegraph.

DAILY EXPRESS

12,000,000 people
will see this
advertisement...*



ROBINSON'S
LEMON BARLEY and GLUCOSE
For Refreshment and Energy

Cool and refreshing as a breeze on a hot day... Robinson's Lemon Barley Water. This smooth, satisfying drink contains glucose to restore spent energy and give you a day's worth of life. Drink Robinson's regularly for the extra goodness of it... for the extra 'go' in it.

20
ounces
for
3½
pence
a glass

* 12,000,000 people will see this vigorous and attractive advertisement for Robinson's Lemon Barley Water in the Daily Express on June 26th. This and other advertisements in the series will be seen by many more millions in other leading newspapers and influential magazines.

YOUR SALES are the EVIDENCE-

MORE and MORE Flask Users
are changing to



Yes, really important changes have taken place in the vacuum flask trade. The Vacco "Screw-on" closure stands out as a revolutionary development. Much thought and research preceded its introduction; today its unique design is proved in use by the million. Add to this the other Vacco features, styling and presentation, and it is not surprising that public and trade alike have so readily taken to the Vacco "Screw-on" range.

*Sell Vacco with confidence—
—There is no better!*



GUARANTEED BY THE
GOOD HOUSEKEEPING INSTITUTE



SELECTED BY THE
COUNCIL OF INDUSTRIAL DESIGN

VACCO LTD., LONDON, S.W.1.



**NOTE:
PATENT PROTECTION !**

Features relating to Screw-type Closures are covered by granted patents and pending patents throughout the world.

In the treatment of diarrhoea

Ivax

Effective!

Palatable!

Economical!

Ivax is an effective, palatable preparation of neomycin, sulphaguanidine and kaolin which consolidates the stools, suppresses the infecting organisms and soothes the irritated tissues. Relief is quickly obtained and Ivax is readily accepted by both children and adults.

Ivax is indicated in the treatment of 'summer diarrhoea', bacillary dysentery, food-poisoning (including salmonellosis), infantile diarrhoea and other specific and non-specific diarrhoeas.

Ivax is available in 6 fl. oz. bottles at the basic N.H.S. price of 7/8 per bottle.



Available from your usual wholesaler or from
Wholesale Division of Boots Pure Drug Co., Ltd., Station Street, Nottingham.
Telephone: Nottingham 56111, or 71 Fleet Street, E.C.4. Telephone: Fleet Street 0111

E. Illingworth & Co. (Bradford) Ltd.

Cotton Wools

B.P.C. QUALITY COTTON WOOLS

HOSPITAL QUALITY COTTON WOOL
(Drug Tariff)

Sterilised and Unsterilised in all weights, for
Home and Export

Quantities labelled with
your own labels

*COTTON WOOL DISPENSER
(Pleated filling. Attractive Pack)

BOTTLE NECK WOOL, FILTER PADS
GAUZE AND COTTON TISSUE B.P.C. Quality
RESPIRATOR REFILLS

Packing Materials NEEDLELOOM FELTS

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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and
all sections of the drug, pharmaceutical and
fine chemical, cosmetic, and allied industries

*Official organ of the Pharmaceutical Society of Ireland
and the Pharmaceutical Society of Northern Ireland*

Volume 171

May 30, 1959

No. 4136

CONTENTS

Alkali Inspectors' Report ...	587
A New Pharmacy for an Old ...	586
Hospital Pharmacy Forum ...	584
International Non-proprietary Names	588
Leading Article:	
Private Public Relations ...	583
New Products and Packs ...	575
Onward from Galen ...	584
Patent Office Report ...	587
Pharmacies of Britain—79 ...	585
Pharmaceutical Society of Great	
Britain: Annual meeting ...	582
Branch Representatives' Debates	580
Scottish Executive Election	579
Photo Fair ...	578
Titanium Plant Extension ...	587
Topical Reflections ...	573
Water Pollution Research ...	589

Business Changes	576	News in Brief	572
Coming Events	595	News of the Week	571
Company News	576	Overseas Visits	576
Correspondence	577	Pharmacist's Anthology	583
Deaths ...	577	Price Changes	596
Irish News ...	572	Print and Publicity	596
Legal Reports ...	576	Sport	573
Local Officers ...	573	Trade Marks	595
Machinery and Plant ...	590	Trade Report	593
Makers' Activities	574	World Trade	595

INDEX TO ADVERTISERS, Pp. 5 & 6.

Classified Advertisements, p. 47.

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The CHEMIST AND DRUGGIST

Volume 171

MAY 30, 1959

No. 4136

Publicity Campaign Details

N.P.U. ISSUES A PROSPECTUS

THE National Pharmaceutical Union has sent out to its members a two-colour broadsheet inviting them to promise support (including financial) for a campaign of Press and television advertisements designed to persuade the public to buy from "N.P.U. chemists."

The aim is to recapture for the independent family chemist some of the sales that have increasingly tended to go to other retailers. Without compromising professional dignity the campaign will stress the chemist's experience in the pharmaceutical field and his wide knowledge of cosmetic, toilet and photographic goods. The Press advertisements will appear in the national Press and women's magazines and the television "commercials" will be "in two tremendous seasonal bursts" in seven regions.

The "go-ahead" depends on speedy acceptance of the scheme by "a substantial majority" of members of the Union. It will be financed on the basis of a standard minimum annual payment for a shop with one proprietor and one assistant, plus a supplement for each additional assistant up to a maxi-

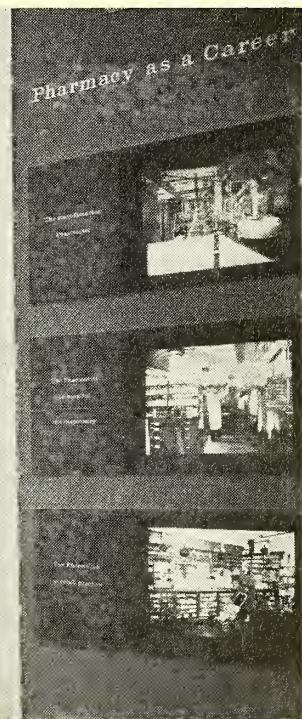
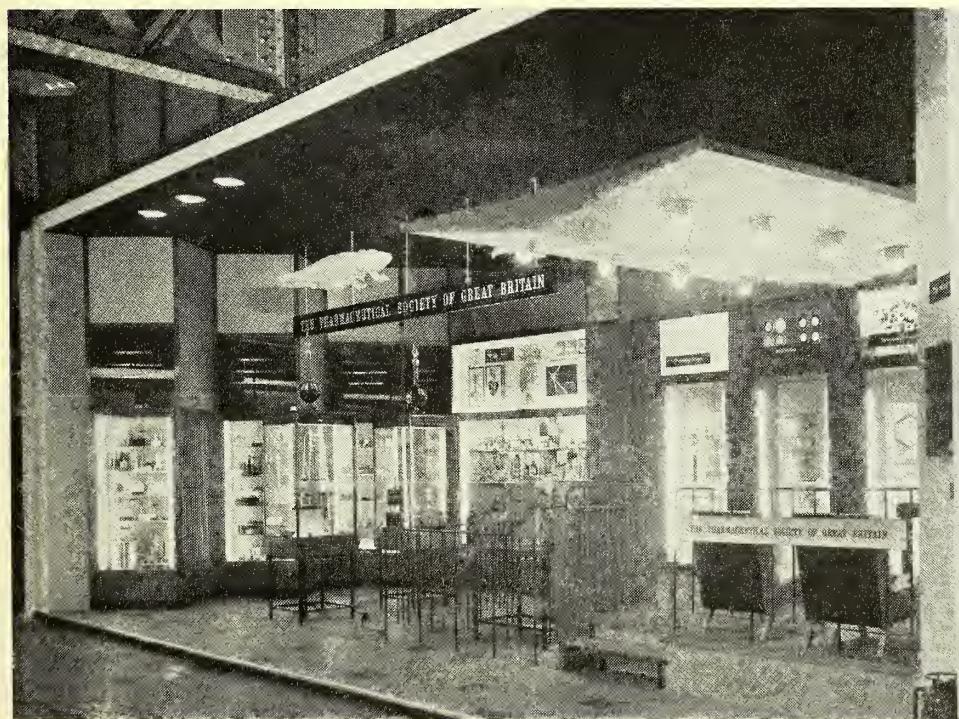
mum 180 per cent. of the minimum. Members' answers are asked for not later than June 10.

Agricultural Chemicals

SPRAYING RECOMMENDATIONS CHANGED

THE Ministry of Agriculture, Fisheries and Food has cancelled its recommendations for the safe use of aqueous spraying formulations containing not more than 1 per cent. of fluoroacetamide (see *C. & D.*, May 2, p. 472). That course has been taken in order to avoid any misunderstanding about existing legal requirements in relation to the compound. The Agriculture (Poisonous Substances) Regulations require agricultural workers to wear protective clothing when using any formulation that contains fluoroacetamide, irrespec-

tive of its concentration. To remove any possibility that the Regulations might be misinterpreted, the Ministry has cancelled all previous recommendations and issued new ones, which are basically those in force prior to April (see *C. & D.*, February 7, p. 156). The Ministry considers that the use of fluoroacetamide should not present a hazard to consumers provided not more than two applications (totalling 6 oz. of the active ingredient) per acre are made, the second not less than five weeks before harvesting for Brussels sprouts or four weeks for cabbage and sugar-beet crops. There is insufficient evidence, says the Ministry, on which to base recommendations for the use of fluoroacetamide on other edible crops, including cauliflowers. The recommendations concerning crops are provisional for 1959 only, and will be reviewed at the end of the season in the light of fresh data about residues. Animals and poultry should be kept away from fluoroacetamide spray and from sprayed areas for at least two weeks, and care should be taken not to contaminate neighbouring crops, ponds, streams, rivers and water-courses with fluoroacetamide concentrate, spray or washings. The Ministry recommends that containers should be stored tightly closed.



CAREERS EXHIBITION : The first National Education and Careers Exhibition opened at Olympia, London, W.14, on May 26. Among the exhibitors was the Pharmaceutical Society whose stand is shown here. The exhibition is open until June 5.

in a safe place, away from children, livestock, food, feeding-stuffs and water supplies. The used containers should be burned or otherwise safely disposed of after being thoroughly washed out.

British Standard

"RUB RESISTANCE" OF PRINT

A KNOWLEDGE of the extent to which print will withstand rubbing is of value to all whose business involves the use of printed containers or wrappers. It is especially useful to know the extent of the rubbing that takes place during the passage of the materials through filling and packing machines or during transit. A new British Standard gives details of three instruments and describes three methods for measuring the rub resistance of print. Copies of the Standard (B.S. 3110:1959) may be obtained from the Institution's sales branch, 2 Park Street, London, W.1, price 4s. each.

Royal Society

RESEARCH APPOINTMENTS

A ROYAL Society Research Fellowship has been awarded to Dr. G. Hoyle (department of zoology, Glasgow University) to work from October 1 at the department of zoology and institute of physiology, Glasgow University on excitation/contraction coupling in muscle and nervous mechanisms in behaviour of insects. A Royal Society research studentship has been awarded to Mr. K. L. Manchester, M.A. (Cantab.) (department of biochemistry, Cambridge University) to work from October 1 at the department of biochemistry, Cambridge University, on the mechanism of the regulation by hormones of protein synthesis.

Vegetarian Diets

A CENTRE FOR NUTRITIONAL RESEARCH

A RESEARCH laboratory has been established in the science department of Stanborough School, Watford, Herts, for nutritional investigations with particular reference to vegetarianism. The researches are being organised by Dr. Frank Wokes, who was for eighteen years engaged in nutritional researches at the Ovaltine Research Laboratories.



BOOKS FOR A COLLEGE LIBRARY: Mr. J. C. Bloomfield (president, Portsmouth Chemists' Association) receives a gift of books from Mr. Brian Simpkin (Benger Laboratories, Ltd., Holmes Chapel, Cheshire) towards a book fund organised by Mr. Bloomfield to celebrate the Association's golden jubilee this year. The books are being presented to the department of pharmacy, Portsmouth College of Technology.



Stanborough Park was the site, twenty-seven years ago, of the first experiments in this country on the basal metabolism of vegetarians, forming part of an international investigation in which vegetarians from Canada, Denmark, England, France, Germany, Switzerland and the U.S.A. took part.

Mass X-rays

"NEGLIGIBLE" RADIATION EFFECTS

THE committee upon radiological hazards finds, after a survey, that mass-radiography makes a negligible contribution to the total radiation to which the population is exposed. The committee's report (H.M. Stationery Office, price 1s. 3d.), deals with the results of mass miniature radiography. At the worst, according to the report, it would contribute twenty leukaemia cases annually to the natural incidence of 2,500 cases annually. On the other hand the procedure revealed in 1957 18,000 pulmonary tuberculosis cases and 63,000 of other conditions. The report warns against unnecessary exposure to diagnostic x-rays.

SCOTTISH NEWS

Practical Training

HELP WANTED IN PLACING STUDENTS

AN appeal by the Scottish Department of the Pharmaceutical Society for assistance in compiling a list of pharmacists willing to give practical training to pharmacy students (*C. & D.*, January 10, p. 29) has not produced the response hoped for. That is stated in a further circular from the Scottish Department that has been sent to retail pharmacists in Scotland. A further appeal is made for support for the scheme.

IRISH NEWS

THE NORTH

Associates' Section

MONTHLY COMMITTEE MEETING

THE committee of the Associates' Section, Ulster Chemists' Association, has ratified the executive committee's proposal, to be introduced on January 1, 1960, for an additional week's holiday for pharmacists. That decision was agreed at the monthly meeting of the Associates' committee, held in Belfast on May 11, Mr. W. T. Hunter (chairman) presiding. Reports of two meetings of the social subcommittee were

received, from which it was noted that a treasure hunt and barbecue had been arranged for June 17. The report of a special meeting of the Associates' committee held on April 23, was received, from which it was noted that it was agreed to call a meeting of all employee superintendents and managers to discuss their responsibilities, etc., the meeting to be addressed by Mr. J. N. Patterson. The approval of the executive committee had been obtained. The meeting is being held in the lecture hall, 73 University Street, Belfast, at 8 p.m. on June 1. It was agreed that £2 should be sent to the Joint Staff Appeals Committee towards expenses incurred by them. Miss M. E. Jenkins and Mr. D. Corbett were co-opted to the social subcommittee. The following were approved for associateship:—Apprentice, Miss M. E. Jenkins; *Pharmaceutical Chemists*, Miss E. L. Connolly and Mr. J. A. Emerson.

NEWS IN BRIEF

THE Ministry of Health is issuing to hospital authorities a memorandum informing them that tetanus organisms may be present in unbleached cotton wool (grey wool) and giving advice on precautions to be taken.

THE 1959 edition of the Register of Operating Theatre Technicians is now available; copies may be obtained on application to the Registrar, Board of Registration of Medical Auxiliaries, BMA House, Tavistock Square, London, W.C.1.

IT has been agreed between the Ministries concerned that from June 1 the production responsibility for magnesium glycerophosphate, hydrolysed proteins and vitamins A and D shall pass from the Ministry of Agriculture, Fisheries and Food to the Ministry of Health.

THE half-yearly court of governors of the Commercial Travellers' Benevolent Institution is being held in the Wax Chandlers' Hall, Gresham Street, London, E.C.2, at noon, on June 20, when all standing candidates will be recommended by the board for election without ballot. The occasion is the eighty-fourth in the series.

THE Ministry of Health has for the first time its own Chief Architect (the office was formerly shared with the Ministry of Housing and Local Government). He is Mr. W. E. Tatton Brown, previously deputy county architect of Hertfordshire. Mr. Tatton Brown is responsible both for examining building schemes of hospital boards and local health authorities and

WEDDING PRESENTS: Miss Audrey Isdell (on behalf of the student body) and Miss Alice Esmonde, B.Sc., on behalf of the College staff, with the inscribed silver tray and cutlery which they presented as wedding gifts to Dr. R. F. Timoney (principal of the College) recently. Also in the group are Professor C. S. O'Connor and Mr. Sean Gardiner (president, Irish Pharmaceutical Students).

for a design unit equipped to provide up-to-date ideas and guidance in the planning and design of hospitals and other Health Service buildings.

IRISH BREVITIES

THE NORTH

AN address on "Pharmaceutical Practice" is being given by Mr. J. N. Patterson in the lecture hall, 73 University Street, Belfast, at 8 p.m. on June 1. The talk will be of particular interest to employee pharmacists.

SPORT

Golf.—SCOTTISH CHEMISTS GOLF ASSOCIATION, thirty-seventh annual competition, held over the King's and Queen's courses, Gleneagles, recently. There was a record of 187 competitors. *Traveler's Trophy*, 1, J. Ferguson; 2, T. McKinstry; 3, J. McLean; 4, J. Johnston, *John Greig Bogeay Prize*, 1, G. Cox; 2, H. Semple. *Scratch Prize* (Duncan, Flockhart & Co., Ltd.), 1, R. Low; 2, J. Leckie. *Hidden Holes*, A. R. Smith and R. Duncan; consolation, A. McIntyre and D. Ross; *Askit Stableford* (retail), G. N. K. Murray; (wholesale), D. Wyllie. *Ucal Prize*, 1, W. Thomson; 2, M. C. Ross. *Johnson & Johnson Veterans Cup*, A. Carnegie. *Cox's Silver Salver*, 1, J. Bannerman; 2, W. Dickson; 3, J. Murdoch; 4, T. Mackie. *Gibbs' Trophy* (zone 1), J. Bannerman, W. M. Laurie, J. McLean and J. Murdoch; (zone 2), J. Ferguson, W. Dickson, A. Gilmour and J. Johnston. *Pinkerton, Gibson & Co., Ltd., Prize*, 1, J. Summers; 2, G. Chapman; 3, R. Gillespie; 4, J. W. Martin. *Bogeay Prize (Queen's)*, G. Y. Brown. *Wholesale Houses Trophy*, 1, H. Davidson; 2, N. Panton; 3, R. R. Jeffrey.

Gaelic Football.—COLLEGE OF PHARMACY V. WESTERNs, on May 13. The College team won by four points. They maintained their lead throughout and played with cohesion. On the strength of their display the College team expected to beat Caillins, the present League leaders, when they meet in the next round.

Bowls.—ULSTER CHEMISTS' ASSOCIATION BOWLERS, at Belfast bowling green, on May 20. Tenth annual bowling tournament organised by Mr. J. Caldwell (secretary/treasurer) in aid of the Northern Ireland Chemists' Benevolent Fund. Six rinks were engaged. CHEMISTS' SECTION: *Ulster Chemists' Association Challenge Cup and Replica*, 1, S. Magowan; 2, J. Wellwood; 3, W. J. W. Crawford; 4, G. P. Taylor; 5, S. Marks and R. A. Johnston (tie); consolation prize, H. Baird and J. D. Morrison (tie). VISITORS' SECTION: *Prize Winners*, 1, J. Boden; 2, W. W. Dinnen; 3, R. M. Watson and R. T. Taylor (tie); 4, J. Macrae and H. McGowen (tie); consolation prize, W. McNally. The prizes (given by trade friends) were presented by Miss Margaret Wellwood, daughter of the captain. Mr. J. Wellwood thanked the president and committee of the Belfast Bowling Club for the use of the green, the donors of prizes, the markers (Messrs. B. Stewart and H. McRoberts), and the ladies of the club. A vote of thanks was passed to Mr. Caldwell for his organisation of the event.

LOCAL OFFICERS

PHARMACEUTICAL ASSOCIATIONS

Epsom (and Sutton Branch of the National Pharmaceutical Union).—Chairman, W. P. Woollatt; Vice-chairman, R. Townsend; Secretary and Treasurer, W. S. Coleman, 147 Cobham Road, Fetcham, Leatherhead; Social committee chairman, C. Crookes; Social committee secretary, H. Heard, 7 The Pavement, Grove Road, Sutton.

PHARMACEUTICAL SOCIETY

South-east Metropolitan Branch (and South-east London Chemists' Association).—Chairman, A. E. S. Hull; Vice-chairman, F. J. Brean; Treasurer, Mrs. J. E. Hook; Social Secretary, J. V. Mitchell; Junior vice-chairman and secretary, W. A. Howard, 185 Torridon Road, London, S.E.6.

TOPICAL REFLECTIONS

By Xrayser

Dosage

In my earlier days in pharmacy, dosage in drugs was clearly defined. At rare intervals, with the issue of a new pharmacopœia, a few changes would be noted, as in the example of tincture of iodine, but in general, stability seemed to have been reached. With the impact of the chemotherapeutic drugs and the antibiotics, where current practice has always seemed to be at variance with stated pharmacopœial dosage, there has been a latitude that must have occasioned misgiving in the minds of those old enough to remember a much more rigid adherence to accepted posology. Difficulties in that direction have multiplied with the enormously increased use by doctors of proprietary medicines. Professor Guillot, in addressing the Franco-British Congress at Peebles (p. 544), pointed out that in France the pharmacist had a special responsibility to contact the doctor if a prescription requested doses above the maximum laid down (a responsibility which I imagine is general in pharmacy). But Professor Guillot stated that that responsibility was still his when dealing with proprietary medicines. What is the position in this country in that regard? Some of the products of the "ethical" houses are not very informative. "Dose as prescribed"; "Dose as directed by the physician"; or "Directions are given in a leaflet available to physicians on request" all leave a feeling of uncertainty. Is it the pharmacist's responsibility to work out the actual dosage from the formula on the label and confirm its safety by further reference? There seems to be an easier way than that.

Diplomatic Skill

In the course of the address referred to, Professor Guillot dealt with an aspect of the pharmacist's public relations not covered by the resolutions on that subject which were before the Branch Representatives at their meeting in London last week. The speaker said that, when dealing with the public, the pharmacist had a duty—the professor went so far as to call it an obligation—to give information about his medicine to the patient, even if the answer to the patient's question was a "woolly" one. The pharmacist, he said, "must arrive at some point whereby a reply did not give the doctor away, tell the patient too much or indicate that the pharmacist did not know his job" (p. 544). Hardly a day passes without the exercise of that diplomacy in some shape or form. It is often useful to parry a question by asking another. One of the most frequently met forms of lay curiosity is the question: "What are those tablets really for?" The counter question: "What took you to your doctor in the first place?" usually decides the form the answer will take. The same skill is necessary in the art of procrastination, where the customer must have the medicine at once, and the doctor has omitted the minor detail of tablet strength. There are days almost free of such difficulty, but there are also days in which one feels that the Pharmaceutical Society should have its charter amended so as to include "For the protection of those who carry on the business of physician and surgeon."

Council Election

The results of the election of the Pharmaceutical Society's Council (p. 545) indicate little change in the general pattern of behaviour of the electorate. Last year at this time 18,000 voters did not vote. This year, that figure remains unchanged, and we shall never know if the abstainers are completely satisfied, indifferent, or in a state of suspended animation. As in 1958, the retirement of one member of Council ensured that there would be at least one new voice in the Society's affairs. The successful candidate is Mr. J. B. Grosset, who brings with him the experience gained at the table of the Executive of the Scottish Department, and I wish him all success in his new sphere. Despite the views of the advocates of area representation, the result proves that members do not vote entirely on that basis. But Mr. Grosset's position in the poll makes it interesting to speculate on what would have happened had there been no retiring member.

MANUFACTURERS' ACTIVITIES

Sales Conference.—A two-day sales conference was held recently in London by J. C. & J. Field, Ltd. (now a subsidiary of E. Griffiths Hughes, Ltd., Manchester). The conference was attended by thirty-six representatives of the company from all parts of the United Kingdom. On its second day some of the model girls whose faces have been used by Messrs. Field in their advertising and merchandising campaigns were entertained to cocktails and luncheon.

Manufacture in India.—Evans Medical Supplies, Ltd., Speke, Liverpool, 24, announce that arrangements have been made with Biological Products Private, Ltd., Hyderabad, for the manufacture under licence in India of a considerable number of items in their range of medical products. The Indian-made products are now coming on sale in India, where they are distributed by Evans Medical (India) Private, Ltd. The furtherance of collaboration was discussed in Bombay with Dr. D. V. K. Raju (technical adviser, Biological Products Private, Ltd.), during the recent visit to India of Mr. Maurice J. Smith (overseas trade director, Evans Medical Supplies, Ltd.). Meanwhile members of the scientific staff of Messrs. Biological Products are visiting Liverpool for training.

Scientific Equipment on Show.—New apparatus, designed and produced at the Oberkochen, Germany, works of Carl Zeiss, was recently shown in London (later at Glasgow) by Degenhardt & Co., Ltd., 6 Cavendish Square, W.I. In the Zeiss spectrophotometer PMQII three units are wired in circuit. The first, connected to a mains supply, provides constant power for the lamps in the second, which contains a detector, test samples, and a monochromator. The detector contains photocells to permit measurement in the visible, ultra-violet and near infra-red wavelengths, the current produced being shown on the (third) indicator unit. Supplementary equipment includes flame, fluorescence, chromatogram and other attachments. Spectral waveband regions range from short-wave ultra-violet to near infra-red (200-1,000 m μ). The instrument is claimed the most accurate available for assessing, among other things, the presence of strontium in tissue and in food. With another instrument, the Elko II, photometric analysis may be carried out as a standard laboratory procedure. The ultraphot II research microscope incorporates a camera and may be used for bright or dark field, phase-contrast or

polarised-light techniques. Variations in illumination intensity can be adjusted to permit observation of fluorescence. Low-power survey photographs may be taken and exposure timing is automatic; a push button opens the shutter and closes after correct exposure time. Miniature film or plates may be used in the camera, and the scale of the micrograph is readily determined from a gauge number.

Box and Carton Award-winners.—A total of 270 awards (including highly commended entries) was made in the fourth British Paper Box and Carton Design Contest, organised by the British Paper Box Federation and the British Carton Association. That compares with a total of 118 awards made in the previous contest, held in 1956. Among the major awards for RIGID BOX AWARDS (the judges looking for sales appeal, product protection, and quality of craftsmanship) were: Cosmetics.—*First*, circular cofret for dusting powder and toilet soaps by MATTHEWS, SMITH & CO., LTD., London, for MORNAY, LTD.; *Second*, hinged lid satin lined shoulder gift box for men, by YARDLEY & CO., LTD., London. Photographic Supplies, Stationery.—*First*, rigid covered box to hold camera by J. DRING, LTD., Portsmouth, for RANK PRECISION INSTRUMENTS, LTD.; *Second*, board box with plastic divisions for holding 35-mm. slides by ROBINSON & SONS, LTD., Chesterfield. Design: E. B. Robinson.

CARTON AWARDS: Cosmetics.—*First*, carton to hold men's toiletries by F. T. PILLIVANT, LTD., London, for MAX FACTOR HOLLYWOOD AND LONDON (SALES), LTD.; *Second*, casket to hold soap and bath cubes by MARDON, SON & HALL, LTD., Bristol, for J. BIBBY & SONS, LTD.

Carton awards for graphic or surface design in the cosmetic class included *First*, gift pack for soap tablets by MARDON, SON & HALL, LTD., Bristol, for A. & F. PEARS, LTD.; *Second*, display outer for shampoos by TAYLOWE, LTD., Maidenhead, for GENATOSAN, LTD.

BENGER LABORATORIES, LTD., received a *highly commended* award for the outer case of the Lomulizer—the applicator for the new Benger range of ultra-fine particled drugs. The case is manufactured by ROBINSON & SONS, LTD., who also received a *second* in carton awards for ingenuity of construction the entry being a multiple carton for holding and dispensing tablet bottles.

TRADE NOTES

White Lipstick.—Sole distributors of a new "Wicked White" lipstick by Cutex are J. C. Gambles & Co., Ltd., 209 Blackfriars Road, London, S.E.1.

A Misprint Corrected.—Bayer Products, Ltd., Neville House, Eden Street, Kingston-on-Thames, Surrey, point out that their meso-inositol hexanicotinate speciality, Hexopal, is spelt as given and not as given recently in these columns as the result of a misprint.

"Which?" on Cameras.—A report on twenty-one cheap cameras, priced between £1 9s. 3d. and £7 12s. 3d. is included in the May edition of "Which?" published by the Consumers' Association. There are also reports on bath cubes and salts.

Two-speed Feature for a Shaver.—The Ever Ready Co. (Great Britain), Ltd., Hercules Place, London, N.7, announce a new feature for their Figaro I model: a "two-speed" control for operation on 200-250 volts, a normal speed for everyday occasions, and a fast speed for quicker and precision shaving. The voltage selection switch has been redesigned so that it lies flush with the data plaque. The price is unchanged.

Sole British Agents.—Liliane d'Orset, 89 Albert Palace Mansions, Lurline Gardens, London, S.W.11, are the sole agents in the United Kingdom for the French cosmetic manufacturer, Candès, 16 Boulevard St. Denis, Paris. Candès products include *crème Candès oxydante*, which is claimed to preserve the elasticity of the skin and banish chaps and wrinkles; Candès milk (used diluted with water as a toilet water); an anti-freckle and anti-blackhead milk; a cold cream and a slimming cream.

American Holiday as First Prize.—In a Scotties window-display competition organised by Bowater-Scott Corporation, Ltd., Knightsbridge, London, S.W.1, the first prize is a holiday for two in the United States, including outward flight by Comet aircraft, eight days in a luxury hotel, return by a "Queen" liner, and a spending allowance. Second and third prizes are £200 and £50 respectively, and there are additional cash prizes of £25, £10 and £5 (plus ten consolation prizes of £1 1s.) in each of five regions. Entrants are required to set up a window display of Scotties and maintain it for two weeks between June 15 and August 1, and to send in a black-and-white 10 x 8-in. photograph of the display not later than first post on August 4. An entry form appears elsewhere in this issue. Entries will be judged for attractive appearance, sales potential and originality. Size of display will not be an important factor, so the small chemist can compete on equal terms with the larger. Each entrant will receive a 5s. postal order as a contribution towards his photographic costs. The judges are Elizabeth Allan (Television and stage personality); and Messrs. O. H. Waller (Editor, THE CHEMIST AND DRUGGIST); James Gardiner (architect; designer of the British Pavilion at the Brussels Exhibition); and Whitfield Landers (a marketing consultant).



AMATEUR DRAMATICS: A scene from W. Somerset Maugham's comedy "The Camel's Back" as staged in Edinburgh recently by the Blandfield Dramatic Club of T. & H. Smith, Ltd., and Duncan, Flockhart & Co., Ltd. Left to right, Mr. Peter MacAuslan, Miss Jean McCulloch, Mr. John Stratford, Miss Marion Ferguson (who also produced the play), and Miss Isa Chisholm.

NEW PRODUCTS AND PACKS

Intrathecal Hydrocortisone.—Glaxo Laboratories, Ltd., Greenford, Middlesex, announce the introduction of intrathecal Ef-Cortelan soluble (10 mgm. of hydrocortisone hemisuccinate sodium) in box of six ampoules.

Tubocurarine Injection.—Duncan, Flockhart & Co., Ltd., Wheatfield Road, Edinburgh, 11, announce the addition to their range of tubocurarine products of injection of tubocurarine chloride, B.P., in boxes of six and fifty 1.5-mil (15 mgm.) ampoules. Tubocurarine chloride, Duncan, a solution in glycerin/alcohol, continues to be available in the packs and at the prices already listed.

Nurser and Feeder.—Feedrite, Ltd., 300 Kingston Road, London, S.W.20, are marketing two new adjuncts in the field of baby welfare. The Feedrite hygienic nurser is made in a new high-density polythene and is unbreakable; it may be boiled for sterilisation purpose, and the teat need never be touched by hand. The complete Feedrite baby feeder, with new high-density polythene bottle, comprises the same new polythene bottle incorporated with the Feedrite heat-retaining device.

Multi-purpose Bonding Agent.—Eastman 910, a new adhesive of special properties for special applications, is claimed to bond almost any surface except those of polythene and fluon. Set time varies from seconds to minutes, depending on the surfaces bonded, and no mixing is required prior to application. Internal stress is reduced because there is no solvent to evaporate and no heat or excessive pressure is required. The manufacturers are Kodak, Ltd., Kirkby, Liverpool.

Pressurised Perfume.—Yardley & Co., Ltd., 33 Old Bond Street, London, W.1, are marketing in a new pressurised perfume series, "Spraymist," "the newest way of using perfume." The lightweight, unbreakable container, is, of course, non-spill, yet is decorative on the dressing table. It is lined to prevent deterioration of the contents and, as there is no possibility of evaporation, and the container is opaque, there is no need to store it in a dark cool place. "Spraymist" is available in five fragrances: Bond Street (red cap); "Freessia" (citrus yellow); Flair (turquoise);

"April Violets" (mauve); and lavender (aquamarine). It is intended to be on retail sale from June 10.

Sparkling Grape Juice.—George King & Co., Ltd., Kingsbury Road, London, N.W.9, are the sole agents of a sparkling grape juice product, Rimuss, believed the only non-alcoholic sparkling grape juice at present on sale in this country. Rimuss is imported from a vineyard in Switzerland and Messrs. King are shortly bringing in also a still white and still red grape juices under the name Rimett.



PACK AND OUTER: Polythene squeeze bottle and display outer in which Murine eye drops are issued by Scott & Bowne, Ltd., 86 Upper Brook Street, London, W.1.

A Pack for Hospitals.—The Distillers Co. (Biochemicals), Ltd., Broadway, London, S.W.19, have introduced a pack of new design, to simplify the storage and distribution of antibiotic products in hospitals. Each pack presents twenty sets of five vials, and each set is contained in a detachable compartment ready for dispatch to the wards. The box and compartments are made from white board, and the lids are made of white polystyrene to facilitate the stacking of the full packs. Products in the new pack (available to hospitals only) are Solupen, Solupen buffered, Distaquaine G, Distaquaine fortified, Distavone, streptomycin sulphate, B.P., dihydrostreptomycin sulphate, B.P., Streptaquaine, 1 in 3, Streptaquaine, 1 in 4, and Mixtamycin.

A New Antibiotic.—E. R. Squibb & Sons, Ltd., Edwards Lane, Speke, Liverpool, 24, are the British dépôt for a new antibiotic produced by the Squibb International Division of the Olin Mathieson Chemical Corporation in the United States. The new product, Fungizone (amphotericin B) is claimed to be clinically effective in the treatment of a number of superficial and systemic mycotic infections. The antibiotic is derived from a previously undescribed species of *Streptomyces*, and was isolated by scientists of the Squibb Institute for Medical Research, New Brunswick, from soil samples obtained from

the banks of the Orinoco River in Venezuela. Fungizone is available in 50-mgm. vial of a sterile powder for reconstitution in dextrose solution (saline solution should not be used).

Cosmetics with Royal Jelly.—On sale in Italy for the past ten years, the various biocosmetic preparations of Manners Italiana are now available in Great Britain from Manners Italiana (G.B.), Ltd., 51 Grosvenor Street, London, W.1. Each of the preparations is described as "a balanced formula based on royal jelly, placenta extracts and vitamins." The range of products includes Manners reducing cream for the ankles, reducing creams for the hips, reducing cream (a new method of slimming), Suleyka eyelash cream, Manners nail cream (for strengthening the nails), body cream (for the elimination of blemishes), "Marvellous" cream (for the double-chin), breast beauty creams No. 1 and No. 2, placenta cream for day and placenta liquid cream for night.

New Lipstick Colours.—"Frosted White" and "Sweet Tangerine" are new lipstick colours available from Coty (England), Ltd., 3 Stratford Place, London, W.1. "Frosted White" may be used over a Coty 24 lipstick to give a "luminous effect" or under it to lighten the shade.

Triamcinolone Cream.—Lederle Laboratories division of Cyanamid of Great Britain, Ltd., Bush House, Aldwych, London, W.C.2, announce the introduction of Leder cort acetonide cream, 0.1 per cent., a new form of triamcinolone for topical application. Controlled clinical studies are understood to show that the product is equally as effective as 1 per cent. topical hydrocortisone in a variety of inflammatory skin conditions without the hazards of systemic absorption. It is effective when sparingly applied to the skin, and untoward reactions, such as primary skin irritation and allergic skin sensitivity, are rare. The packs are 5-gm. and 15-gm. tubes.

Roll-on Deodorant "Dispenser."—André Philippe, Ltd., 16 Cosway Street, London, N.W.1, are marketing the roll-on deodorant dispenser illustrated. The pack is described as "in keeping with the new season's elegant fashion shades" and is sent out in show box outer of 1 doz. assorted grey or lilac.



MILK-BOTTLE COOLER: The Chill-jak plastic-foam cover for milk-bottles. Kept moist, it maintains the freshness of the milk, it is claimed, for up to two days (see C. & D., May 9, p. 497). Makers are Insulex, Ltd., 67 Westbourne Grove, London, W.2.



LEGAL REPORTS

Undertakings "Under Seal"

UNDERTAKINGS under Seal to observe the respective manufacturer's fixed price conditions have been given to Johnson & Johnson (Gt. Britain), Ltd., Slough, Bucks, by Harris's Price Reduction Stores, 33 George Street, Hove, and Alex Stores, Ltd. As proprietors of the Alex Drug Store businesses at 79 Balham High Road, S.W.12, and 375 North End Road, Fulham, S.W.6, and of Alex Superstores, Surrey House, Surrey Street, Croydon, Alex Drug Stores, Ltd., have given similar undertakings to J. C. Gambles & Co., Ltd., E. Griffiths Hughes, Ltd., International Chemical Co., Ltd., Miles Laboratories, Ltd., Morny, Ltd., Chas. H. Phillips Chemical Co., Ltd., Sangers, Ltd., Scott & Turner, Ltd., and Vick International, Ltd. All the manufacturers named are members of the Proprietary Articles Trade Association.

COMPANY NEWS

Previous year's figures in parentheses

MAY ROBERTS (IRELAND), LTD. — Net profit for year to January 31, £12,371 (£15,365) after tax £10,854 (£17,869). Ordinary dividend 20 per cent. (same). Current assets £394,097 (£348,102) and liabilities £248,833 (£172,735).

MIDLAND TAR DISTILLERS, LTD. — Mr. Stanley Robinson, on medical advice, has relinquished the chairmanship of the company whilst remaining a member of the board. Mr. R. B. Robinson has been elected chairman and Mr. Brendan Robinson vice-chairman.

RECKITT & COLMAN, LTD. — Dividend is raised by 3 per cent. to 15 per cent. for 1958 with a final of 10 per cent., and a two-for-three scrip issue is proposed. Group trading profit advanced from £7,977,000 to £8,589,000, and the net profit is up from £3,991,000 to £4,481,000 after tax of £4,001,000 (£3,810,000) and employees' profit sharing £430,000 (£395,000).

BEECHAM GROUP, LTD. — Group net profit advanced from £2,516,397 to £3,207,065 in the year to March 31, and the dividend is raised from the equivalent of 20 per cent. to 24 per cent. with a final of 10 per cent. Group sales increased from £34,152,816 to £40,407,914, and the group trading profit rose from £6,093,396 to £6,741,221. The 1958-59 figures include the trading profit of Thomas & Evans, Ltd., from September 1, 1958, amounting to £399,175.

BORAX (HOLDINGS) GROUP, LTD. — Consolidated trading profits in the three months ended March 31 amounted to £907,795 (£533,382) making a half-year's total of £1,597,633 (against £578,957) after charging depreciation of £1,019,886 (£748,219). In this interim report the directors state that a strong demand for boron products continued in all markets, as a result of the growing economic recovery throughout the world.

THE BRITISH DRUG HOUSES, LTD. — The company has made an offer

for the whole of the issued capital of J. R. Gibbs, Ltd., Paignton, consisting of 9,254 ordinary shares of £1 and 29,405 preference shares of £1. The acquisition would give B.D.H. control of Ferris & Co., Ltd., Bristol, the equity of which was acquired by J. R. Gibbs, Ltd., about a year ago. It is understood that, if the offer is accepted, the businesses will continue under the same management as formerly.

NEWTON, CHAMBERS & CO. LTD. — In his annual statement Sir Peter Roberts (chairman), said that, without increasing selling prices, the chemicals division had again achieved a record turnover, showing a quite substantial increase over 1957. Costs of materials were steady during the year, and further increases in labour rates had been absorbed by improved efficiency in conjunction with the re-equipment programme. New products were being planned. They would be marketed in 1959.

RANK PRECISION INDUSTRIES, LTD. — The complete reorganisation of the trading and financial structure of the company has already shown beneficial results, according to Lord Rank (chairman). These are reflected in the "not unsatisfactory" 1958 results, when group trading profit went ahead £51,467 to £645,759, the increase being derived mainly from the cine and photographic division. "Much has still to be done in the way of development of our productive units and of the range of products," comments Lord Rank.

COOPER, McDougall & Robertson, LTD. — The directors announce that they have received from Wellcome Foundation, Ltd., an offer to purchase all the Ordinary shares at £2 a share, ex the proposed final dividend of 10 per cent. and the 2½ per cent. capital distribution. The directors, who, with their families, own over 60 per cent. of the Ordinary shares, have intimated their acceptance of the offer, details of which are being sent to Ordinary shareholders as soon as possible. No changes in sales policy are envisaged at present.

BROME & SCHIMMER, LTD. — Mr. Philip C. Schimmer, B.Pharm., M.P.S., who for the past two years has been with the export sales division of Pharmaceutical Specialities (May & Baker), Ltd., has been invited to join the board of Brome & Schimmer, Ltd., as technical and development director. Mr. Schimmer takes up his appointment on June 8.

MILES LABORATORIES, INC., Elkhart, U.S.A. — Consolidated net sales during 1958 were \$626 millions and net earnings \$4 millions. Included for the first time are the earnings of the company's wholly-owned foreign subsidiaries and branches. Sales in overseas

markets were a record during the year totalling \$11·7 millions (\$10·7). Sharp increases were recorded in the Canadian and English companies. Import restrictions in some countries became more difficult and consideration continues to be given to opening additional production facilities in other countries.

IMPERIAL CHEMICAL INDUSTRIES, LTD. — Reviewing the accounts for 1958 already circulated (C. & D., April 4, p. 362), at the annual meeting on May 14, the chairman (Sir Alexander Fleck), said that part of the reduction in profits was attributed to increased costs, due to the operation below full capacity of a number of plants, some of recent construction and some recently extended. In addition, competition, particularly in overseas markets, had led to reduction in prices to maintain the business. About £2 millions of the reduction in gross profit was additional depreciation, charged as a result of the revaluation of assets at the beginning of 1958. Sir Alexander was confident that with sales efforts all over the world the plants would become fully occupied, with favourable effect on profits. The results of the company's various divisions are not dealt with separately.

BUSINESS CHANGES

DALMAS, LTD. — are moving their London depot to 2 Wigmore Street, W.1, on June 6.

GROSSMAN'S CASH CHEMISTS, LTD. — are removing to 120 High Street, Whitechapel, London, E.1 (telephone: Bishopsgate 5687), on June 1.

ARMOUR PHARMACEUTICAL CO., LTD. — is the new title of Armour Pharmaceutical Company (Armour Chemical Industries, Ltd.), Hampden Park, Eastbourne, Sussex. The company have appointed Mr. Stanley Phillips their representative in the West End of London and Mr. Kenneth B. Green in East and North London and Essex.

Appointments

MONDART, LTD. — 49 Park Lane, W.1, have appointed Mr. Charles G. Bevan their marketing manager. Prior to his new appointment Mr. Bevan was product manager with S. C. Johnson & Son, Ltd.

OVERSEAS VISITS

MR. R. F. SCOTT-KIDDIE (home sales manager, Ronson Products, Ltd.), has been invited to take part in the annual five-day sales conference of the Ronson Corporation, America, which is to be held in the mountain resort of Pocono, Pennsylvania, and will be attended by about sixty of his American and Canadian colleagues. Mr. Scott-Kiddie attended a similar conference about five years ago. Apart from the conference Mr. Scott-Kiddie plans to spend ten days "on the road" studying the marketing of the company's products. He is also to see the new Ronson headquarters at Woodbridge, N.J., and the new shaver and lighter factories at Stamford, Conn., and Delaware Gap, Pa., respectively, which have been built since his last visit. Mr. Scott-Kiddie returns in June.



DEATHS

ALDER.—On March 25, Mr. Sydney Frank Alder, M.P.S., 35 Granby Street, Liverpool. Mr. Alder qualified in 1896.

DAVENPORT.—At his home, The Chestnuts, St. Leonards Road, Thames Ditton, on May 21, after a short illness, Mr. Hayward Montague Davenport (chairman and governing director of J. T. Davenport, Ltd., manufacturers of Dr. J. Collis Browne's chlorodyne), aged eighty-five.

DEACON.—Recently at 9 Broughton Road, Banbury, Alderman John Arthur Deacon, M.P.S., aged sixty-six. After service with the forces Mr. Deacon went to Banbury to manage a pharmacy which he took over three years later. He served on the Banbury Borough Council from 1933 to 1952 and was elected mayor

in 1942, becoming alderman four years later. In 1944 he was co-opted to the County Council and he was elected in 1946. He became a county alderman in 1945, and was chairman of the Fire Brigade and Weights and Measures committees. An honorary life vice-president of the Oxfordshire Branch of the Pharmaceutical Society, Alderman Deacon had, since 1925, been a member of the Pharmaceutical Committees under both National Health Insurance and the National Health Service, and was a member of the Executive Council. Alderman Deacon also served for a period as president of the Oxfordshire Branch of the Pharmaceutical Society.

FRASER.—Suddenly, on May 19, Mr. James Alexander Fraser, M.P.S., High Street, Dunblane, aged sixty-five. Mr. Fraser was on holiday at Innellan, Argyll, at the time of his death. He had been in business in Dunblane since shortly after the 1914-18 war.

SPAANDERMAN.—On May 26, Mr. Pieter Derrick John Spaanderman, M.P.S., 203 Sutton Road, Huthwaite, Notts. Mr. Spaanderman, who qualified in 1929, had served on the National Pharmaceutical Union Executive since 1950 and was chairman of the N.P.U. in 1957-58. He was a member of the Executive Coun-

cil for Nottingham County and City, and of No. 5 Nottingham Group Hospital Committee. He inaugurated the North Staffs. Branch of the N.P.U. in 1938, and was elected president of the



Chemists Federation, 1955-56. Mr. Spaanderman lectured widely on musical subjects as well as on pharmaceutical topics.

GREENHALGH.—Recently, Mr. Clifton Greenhalgh, M.P.S., 23 Kenyon Road, Wavertree, Liverpool, 15. Mr. Greenhalgh qualified in 1895.

HUGHES.—At Townsend, Curry Rivel, Somerset, on May 18, Mr. David Morgan Hughes, M.P.S., aged sixty-four. Mr. Hughes was managing director of Goosey & Rogers, Ltd., Langport.

KERRISON.—On May 8, Mr. Albert Joseph Kerrison, M.P.S., 186 Nar-

borough Road, Leicester. Mr. Kerrison qualified in 1898.

SPETCH.—On May 16, Mr. Frank Bertram Robinson Spetch, M.P.S., Sprotborough, Yorks, aged fifty-one. Mr. Spetch, who was manager of the pharmacy in Cusworth Lane, Sprotborough, of Doncaster Co-operative Society, Ltd., collapsed and died at work.

TILSLEY.—On May 12, Mr. Herbert Tilsley, M.P.S., 486 Fulwood Road, Sheffield, 10. Mr. Tilsley qualified in 1919.

WILKINSON.—On April 16, Mr. Alfred Wilkinson, M.P.S., St. Florence, Tor Vale, Torquay, Devon. Mr. Wilkinson qualified in 1910.

Correspondence

Booking for the Conference

SIR.—Those planning to attend the British Pharmaceutical Conference in Bournemouth in September are reminded that, under the terms of its agreement with the hotels, the Local Committee cannot guarantee to reserve accommodation in the selected hotels after June 1. Those who have not already sent in their applications, therefore, are urged to do so at once. The Committee will be willing to try to arrange hotel accommodation for those who apply after June 1, but may be able to offer only a limited range. Members intending to make their reservations direct with hotels of their own choice are also advised to do so as early as possible. Accommodation is ample for all who wish to attend the Conference, but the choice offered to late applicants is less wide than for those who apply early.

DENNIS F. SMITH, *Secretary,*
12 Redhill Crescent, Bournemouth

Guildford Cathedral

SIR.—Guildford Cathedral, now nearing completion, is to be dedicated by the Archbishop of Canterbury in May 1960. The project was commenced in 1936, but work was suspended when war came. It is the only Anglican Cathedral to be built upon a new site in the South of England since the Middle Ages. The Guildford diocese covers about 500 sq. miles and has a population of just under 700,000. It consists of the whole of the county of Surrey, except for its eastern end, together with eleven parishes in Hampshire. Many of the professions are making appeals to their members so that they may be associated with this great and living monument of our time. It was felt that pharmacy would also wish to be closely and actively associated with the Cathedral, and the Guildford and District Branch of the Pharmaceutical Society has taken the initiative by sending a personal letter appealing for support to every pharmacist registered as being in the Guildford diocese. Two of the smaller windows in the New Cathedral have been reserved to us for three months and, if our objective is realised, a permanent link with our profession will be established. The cost will be about £600. The opportunity to be able to do this has never before been possible, and we are confident that all concerned will

wish to be associated with it. This letter is addressed especially to those who have, or have had, some link with the Guildford diocese but may be registered outside the area. May we ask you to make as generous a contribution as you can afford. Cheques or money orders should be made payable to "The Guildford Pharmacy Appeal Fund" and sent to Tom Reid, 30 High Street, Haslemere, Surrey.

E. T. SEWELL, *Chairman,*
JOHN BROOKSBANK, *Past-Chairman,*
TOM REID, *Past-chairman,*
J. L. HODDER, *Secretary,*
Guildford Branch of the Pharmaceutical Society

Candidates' Thanks

SIR.—May I through the medium of your columns express my sincere thanks to all who voted for me in the Council election. I am aware of my responsibilities and I trust that I can justify the confidence which has been placed in me.

JOHN B. GROSSET

SIR.—Would you kindly convey my thanks to the readers of the *C. & D.* for their support of me in the pharmaceutical Council election and for the many congratulations I have received.

MARY A. BURR,
Nottingham

SIR.—Please convey my thanks to members of the Society for their vote of confidence in me at the recent Council election.

H. STEINMAN,
Manchester

SIR.—Please allow me to express my warm thanks to those who voted to re-elect me to the Council of the Pharmaceutical Society.

T. HESELTINE,
Normanton

CAN YOU READ IT?

Mr. Dennis G.
3 N — W

SENT in by a Kent pharmacist, the prescription is for an item which he was able to supply "as per customer's superior knowledge, not our reading."

Photo Fair 1959

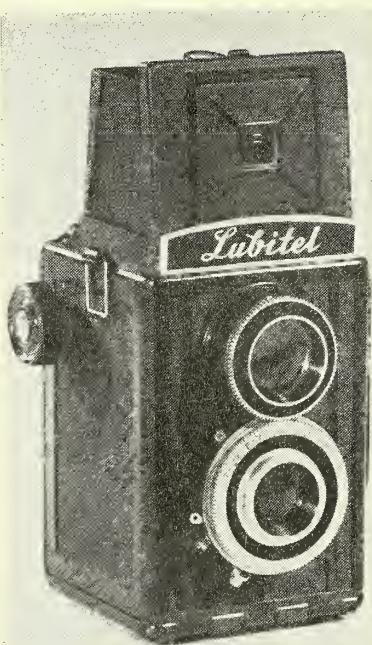
TWELVE COUNTRIES COMPETE FOR PURCHASERS

THE International Photo Fair, Olympia, London, May 11-16, was the biggest of its kind yet held. Exhibits included many innovations in existing equipment and many new designs. Among the products of overseas countries Japanese cameras were a feature. One Russian camera was also introduced. Cine cameras and the "home-made talkies" received considerable attention, and 35-mm. cameras, modified by improved lenses or exposure aids, were well in evidence. Though design improvements have been mentioned, the most startling feature of the goods shown was the number and extent of price reductions, bringing cine and 35-mm. equipment well within the scope of the mass market.

AGFA, LTD., 27 Regent Street, London, S.W.1, introduced at the Fair the Agfa 2 x 2-in. Diamator S projector, with thirty-slide magazine, remote control, an optional additional remote focusing control, choice of 85-mm. or 100-mm. f/2.5 Agomar lens, and a blower-cooled 300-watt lamp. Synchronised sound accompaniment to slide projection is provided by the Diamaton contact attachment, which works with most tape recorders. Automatic exposure control is incorporated into the new 8-mm. Agfa Movematic cine camera. Focusing ranges from 19 cm. to infinity, and the makers consider the camera to be practically shockproof. Constant film speed is provided throughout a 6½-ft. wind, and wide-angle Curtar and Telelongar telephoto lenses are supplementary. The Movector f/8 8-mm. projector was another new item, as well as the Agfa Sonector 8 projector, which permits synchronised sound addition either via a recording sound track added direct to the film by means of a Sonecton record player, or by using a Synchro-Vox sound coupler projection correlated with an orthodox tape recorder.

GEVAERT, LTD., Great West Road, Brentford, Middlesex, showed the Gevacopy aluminium offset plate; Gevaert double-eight cine-camera; Gevacolor R5 reversal cine film; Curix rapid x-ray film for medical radiography (which reduces radiation to the patient by 30 per cent.); and for dental radiography the Dentus super rapid film.

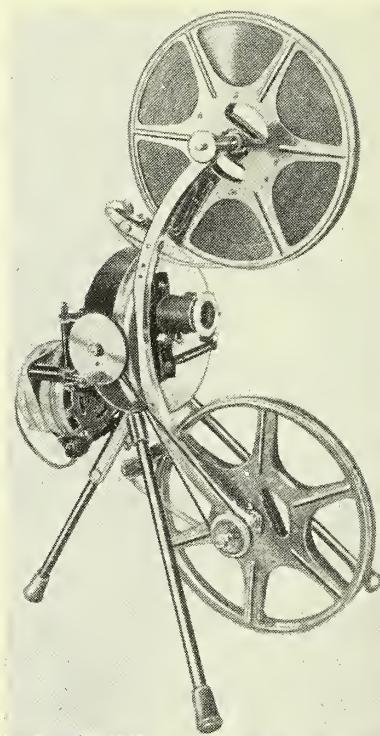
PHOTONIA, LTD., Newcastle, Staffs, are the distributors of the first Russian camera to be imported into this country: the Lubitel 2, brought in under an exchange agreement by which the Russians will take a similar value of Yorkshire cloth. The Lubitel 2 is optically and mechanically a precision-made twin-lens, focusing reflex camera. Specifications include: twelve 2½ x 2½ in. exposures on 120 film; f/4.5 coated three-element taking lens; f/2.8 coupled focusing viewing lens; aperture scale f/4.5-22; five-speed synchronised shutter (1/10 to 1/200; and B), and focusing scale 1.3 metres to infinity. Price: £7 15s. 5d.



Lubitel 2 reflex camera from Russia (Photopia, Ltd.).

PATHESCOPE (GREAT BRITAIN), LTD., North Circular Road, London, N.W.2, came forward with a cine camera and projector combined costing about £33. That low price is achieved by mass production and novel redesigning, both of which earned for the company an American export order of 100,000 cameras. The Prince 9.5-mm. cine camera is adapted to still photography which, it is maintained, provides colour transparencies comparable with 35-mm. stills at only one farthing each. A colour-corrected f/2.8 lens is provided. The sister projector, the Princess, is for 9.5-mm. film; it takes 400-ft. reels, and can be supplied with or without motor. Still or motion pictures measuring 40 x 30 in. at 8-10 ft. are produced.

CINE ACCESSORIES CO., 34 Middle Street, Brighton, Sussex, had many accessories on show. New items for cine enthusiasts included the Universal Title-Master, which may be used with Cervin title letters, and Cervin reels and cases

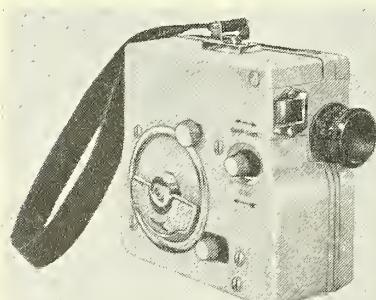


Novel design of Pathéscope Princess cine or still projector for 9.5-mm. film.

for 8, 9.5- and 16-mm. films.

The stand of KODAK, LTD., Kingsway, London, W.C.2, was remarkable for a 14 x 7 ft. colour transparency. Inside there was an exhibition of colour transparencies and prints ranging from 2 x 2-in. Kodachrome transparencies to large colour prints and 6 x 6 ft. transparencies from Ektacolor negatives. Recently introduced items were the 35-mm. Retinette I and IIB cameras and the Brownie Movie II camera with ultra-speed f/1.9 lens. Visitors were invited to bring movie films and colour slides for projection. The new Royal-X pan film on show was being recommended to be treated as 43°BS—1,600 ASA, even though laboratory measurement quotes the film speed as 39°BS—650 ASA. With extended development and experience the film may be rated even higher; for the amateur wishing to take "fire-side" pictures, 1/50 sec. at f/5.6 is considered adequate. The makers advise Kodak DK-50 or Kodak time-standard developer for satisfactory processing.

J. & J. SILBER, LTD., 40 Lamb's Conduit Street, London, W.C.1, introduced the following cameras: Baldamatic I equipped with a Prontormat shutter, providing an exceptionally simple method of adjusting speed and aperture; Mec 16, a 16-mm. subminiature with speeds up to 1/1,000 sec.; Halina 35 X with all-metal case, shutter speeds up to 1/200, f/3.5 lens, and 35-mm. film, retailing at the unusually low price of £7 13s. 3d.; Halina AI with 35-mm.



Pathéscope Prince 9.5-mm. cine camera capable of still pictures and complementary to Princess projector (top right).

attachment to take twenty-four 24 x 36-mm. exposures on a 120 film. Messrs. Silber also introduced a Japanese camera, the Aires 35-V.

CINEX, LTD., Bolex House, Burleigh Gardens, London, N.14, showed among their Bolex cine cameras the D8L, in which the exposure meter, behind the lens, gives accurate light recording and, when combined with a three-lens turret, ensures good reproduction. The same company also demonstrated the Bolex Sonorizer, which gives synchronised sound with any projector; a recording sound-track is incorporated on the film.

AGILUX, LTD., Purley Way, Croydon, broke new ground in the design of the Agiflash 44, which retails at 55s. Intended for use with 127 film, the camera provides twelve-exposure black-and-white or 2 x 2 in. colour slide transparencies. On the top of the camera a simple lever opens to reveal the flash-bulb seating and a silvered metal half circle is affixed to the open lever. Space for batteries is "built-in," so that batteries and film loading are carried out at the same time.

ILFORD, LTD., Ilford, Essex, showed their full range of cameras, equipment and chemicals. They were featuring especially the recently introduced Sporti camera. Colour prints by the Imperial Chemical Industries negative-positive process were on show. The anticipated Ilfacolor 120 film is becoming available in limited amount this year and will be freely available in 1960. The new Ilford double-8 8-mm. cine film should be in fair supply during the summer.

NEVILLE BROWN & CO., LTD., 77 Newman Street, London, W.1, took the opportunity to bring forward two new cameras at present in limited supply. The Paxette reflex automatic with f/2.8 50-mm. lens has the advantages of the reflex and of the rangefinder cameras. The Paxette reflex model 1B differs in having no interchangeable lenses and no coupled exposure meter. The Aldis automatic de luxe projector was also shown. It has automatic projection and remote-control focusing.

HANIMEX (U.K.), LTD., 345 City Road, London, E.C.1, extended their projec-

tor range with the Argus 100 and 200. The company's Argus 300 is duplicated to some extent in the new 330 E projector, which incorporates the Roto-matic slide changer. The Argus 500 Han-O-Matic includes the fully automatic projection system from a charger.

PEELING & KOMLOSY, LTD., 181 Victoria Street, Dunstable, Beds, showed a new Contina and new Contaflex cameras—the Prima, Super and Rapid.

STEREOPRAGMS, LTD., 10 North Audley Street, London, W.1, showed their Stereogram Illoca 2-8 and 3-5 camera as well as stereoscopic viewers, projector and slide storage cabinets.

A Norwegian manufacturer is distributing through ROSLEY PRODUCTS, LTD., 88 Walm Lane, London, N.W.2, the Elite-8 8-mm. cine projector. The amateur's film is processed to provide a magnetic film strip on the film edge, and during projection synchronised sound is added. Push-button control allows music, commentary and sound effects to be added simultaneously with whispered feed-back volume control.

(To be concluded)

SCOTTISH EXECUTIVE ELECTION

Eight candidates for six vacancies

EIGHT candidates have been nominated for election to the Executive of the Scottish Department of the Pharmaceutical Society on June 10. They are:—

BAIN, W. C. D., Aberdeen

Qualified 1933. Owner of two pharmacies. He has been a member of the Executive since 1953 and is vice-chairman of the Aberdeen and North-eastern Scottish Branch of the Society and a former president of Aberdeen Pharmaceutical Association. He is chairman of Aberdeen Pharmaceutical Committee, a member of the Aberdeen Executive Council and of the Pharmaceutical General Council (Scotland).

GOODCHILD, J. W., Brightons-by-Falkirk

Qualified in 1932. Has been in retail pharmacy thirty-five years—as a proprietor since 1945. He was co-opted to the Executive in January 1957. He has been a member of the committee of Stirling and Central Scottish Branch since it was formed ten years ago. He is chairman of Stirlingshire Pharmaceutical Committee and a member of the Pharmaceutical General Council (Scotland) and of its Standing Committee.

HEPBURN, F., Edinburgh

Qualified 1931. Also holds the Diploma in Biochemical Analysis. A proprietor pharmacist, he has been a member of the Executive since 1952. He is a former chairman of Edinburgh and South-eastern Scottish Branch. Recently he was appointed vice-chairman of the Pharmaceutical General Council (Scotland) and of its Standing Committee.

HOME, S. G., Edinburgh

Qualified 1920. He had eleven years' experience as manager of pharmacies in Glasgow before being appointed (in 1931) assistant to the superintendent of the Central Checking Bureau of the N.H.S. Drug Accounts Committee (Scotland). Two years later he was ap-

pointed chief pharmacist, Glasgow Public Health Department. On the introduction of the National Health Service he was appointed chief pharmacist to the Western Regional Hospital Board (Scotland). Since 1950 he has been Scottish manager to T. & H. Smith, Ltd., Edinburgh. He is also a director of W. & R. Hattick, Ltd., Glasgow. A former member of the committee of Glasgow and South-western Scottish Branch he was its vice-chairman before removing to Edinburgh. He was the first president of Glasgow and South-western Scottish Branch of the Guild of Public Pharmacists and is at present a member of the executive of the Scottish Wholesale Druggists' Association.

MACFARLANE, C. W., Dundee

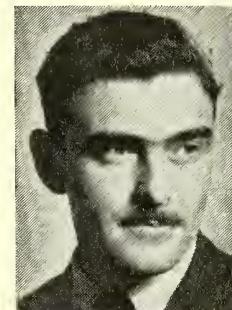
Qualified 1924. Retail proprietor pharmacist. He was a member of the Society's Council for six years and has been a member of the Executive since 1946, having been its chairman, 1949-51. A member of the Dundee Pharmaceutical Committee and of Dundee Executive Council, and a former member of the Pharmaceutical General Council (Scotland) and of its Standing Committee. He is also a member of the Joint Formulary Committee.

MACONOCHE, M. S., Dundee

Qualified in 1926. Proprietor pharmacist. He has served on the Executive for five years. He is a former chairman of the Dundee and East of Scotland Branch of the Society and is secretary of the Dundee Pharmaceutical Committee.

MORRISON, R. S., Inverness

Qualified in 1939 after studying at Robert Gordon's Technical College, Aberdeen. Proprietor pharmacist. He is vice-chairman of Inverness-shire Pharmaceutical Committee and secretary and treasurer of Inverness Pharmacists' Association.



Mr. J. W. Goodchild



Mr. F. Hepburn



Mr. S. G. Home



Mr. A. Officer

OFFICER, A., Glasgow

Qualified 1919. Has been in business in Glasgow for about thirty years. Elected to the Executive in 1953, and is now vice-chairman. He has been a member of the committee of the Glasgow and West of Scotland Branch for over twenty years. He is also an *ex-officio* member of the Pharmaceutical General Council (Scotland) and of its Standing Committee. He is a member of the Glasgow Pharmaceutical Committee and of the City of Glasgow Executive Council. He is a former president of the Scottish Pharmaceutical Federation.

Branch Representatives' Debates

"PUBLIC RELATIONS" A DOMINANT AND RECURRENT THEME

AFTER "careful study" by the Council of the Pharmaceutical Society, "a decision was taken some months ago," said MR. D. W. HUDSON (president of the Society) speaking from the chair at the Branch Representatives' meeting, held in London on May 21, "to set up a Public Relations Committee." The president's comment was made during a debate on the Society's public relations prompted by a Croydon Branch amendment to a motion submitted by West Hertfordshire Branch. His statement was misinterpreted by some members as meaning that such a committee was already in being.

"A Matter of Urgency"

The West Herts motion urged "That the Society, in association with the National Pharmaceutical Union, Association of British Pharmaceutical Industry, Association of Pharmaceutical Employees, Guild of Public Pharmacists, and other interested pharmaceutical bodies, should set up a Public Relations Committee with a paid, professional public-relations officer to maintain and increase the prestige of all branches of our profession." Proposing the motion, MR. KEITH JENKINS, West Herts, said that his Branch believed the matter to be one of great urgency. "It was my experience to give evidence at the Chemists Federation hearings (see *C. & D.*, October 18, 1958, p. 416) and it was there I realised that pharmacy does not have enough appreciation in the eyes of the public or in the eyes of the legal profession." If pharmacists had been more united and had had someone to advocate their point of view, he did not think the judgment would have been what it was. Mr. Jenkins indicated that his Branch was prepared to accept the amendment proposed by Croydon. Mrs. G. V. WEBB seconded the West Herts motion, and the Croydon amendment, which was to omit from "in association" to "pharmaceutical bodies," was moved by MR. S. J. FRENCH. Mr. French said his Branch did not think that the appointment of a public-relations officer would solve overnight the present problems of pharmacy. One of the reasons for the amendment was that some organisations, particularly the Association of British Pharmaceutical Industry, already had a good public-relations officer. A public-relations officer for pharmacy would cost "only a few thousand £'s a year."

MR. W. R. NICHOLAS, Cornish Branch, seconding the amendment, said that the interests of the Society's members must be protected in ways other than educational. No organisation or profession could fail to benefit from planned public relations, and pharmacy could no longer afford to be without a public-relations officer. "We do not want a Press officer who will just correct the occasional misrepresentations in the Press. The public-relations officer must build up the image of the pharmacist and his professional stand-

ing in the eyes of the public. We should be buffered against unjust attacks and our prestige would benefit accordingly. The officer's duty would be to 'sell' us to the public."

MR. H. RIDEHALGH, Bournemouth, supporting the amendment, said that a public-relations officer was essential. He urged that the officer should have a definite programme of action.

MR. J. W. BOTT, North Staffs, said that, though the efforts of individual pharmacists to raise the prestige of pharmacy might be successful in small areas, there were many occasions when pharmacy took knocks without there being any counter measures. The public-relations officer should present the pharmacist as a man of high moral character. The Council's statement in its annual report that several hundred paragraphs in the Press had reached about a million readers meant nothing.

MRS. O. C. HEADING, Birmingham, asked whether it was considered that the public-relations officer should be a pharmacist. No mention of that point was made in any of the motions on the agenda paper.

MR. D. ROYCE, Leeds, said he believed what was envisaged was a series of prestige advertisements similar to those produced recently by banks. "We should give this matter considerable thought. It will not be fair to saddle the Council with this resolution without guaranteeing the resources to carry out such a campaign."

Need for a Policy

MR. H. W. TOMSKI, Harrow, said that Harrow Branch had also put forward an amendment [to another similar motion]. Harrow thought the Society should "start at the beginning, and that the Society should have a policy." The Society's Press officer was always being blamed for not getting news into the Press, and if it did go in he was criticised for its being wrong. But that officer could only put in the Press what he was given. There should be a policy for public relations. That policy should be formulated by a Committee, which should seek advice on whether the policy it formulated was a good one. But pharmacists should know first of all what they were going to tell the public and then decide how to tell them. Mr. Tomski added: "It may be a novel idea [to have a policy] but we in Harrow think it is a good one!"

MR. C. H. SMITH, Birmingham, said that Birmingham Branch supported the amendment because they thought it was a matter for the Society and not for others. Mr. Smith went on: "But we have heard from the chairman that a Committee has been set up. Can we hear something of this Committee?"

THE CHAIRMAN: My statement was that a decision had been taken to set up a Committee. That is a decision which has so far not been implemented, and for a good reason—because committees are normally set up next month!

MR. A. KING, Finchley, said that one important fact had been lost sight of: that each member could be an independent public-relations officer for pharmacy.

MR. J. G. HENDRA, Cornwall, said that Mr. Tomski had presumed to suggest that the proposed public-relations committee of the Society might have no policy. He could not accept that as a serious suggestion, but added that nobody could doubt that the public-relations work of the Society had been badly in default for over a hundred years. "We have heard that a public-relations officer who is an expert would cost money. I am afraid that it would be beyond our means, because pharmacists are not paid sufficient to afford such luxuries. But we do not want someone on the Council pushed into this job. We want a committee to look into the matter and a man appointed who can do the job. We can afford to pay for something which we think is an investment, with a possibility of good returns. We are glad a committee has been set up, but we want to know that it does its job."

Status of the Committee

MR. C. H. PRESTON ROBINSON, Mansfield, asked if the proposed committee was to be a standing committee of the Council or an *ad hoc* committee.

THE CHAIRMAN assured Mr. Hendra that the decision to set up the Committee had not been taken after the motions came in, but a good few months before, and the whole picture had been studied carefully. He referred to a reorganisation of duties at headquarters. That had now been completed and the matter in hand had nothing to do with any pressure that "some of you may think has been exerted on us from outside. There has been a question asked as to who is to be the public-relations officer—if, in point of fact, it is decided to appoint one. The point was whether he would be a pharmacist. I cannot give you that answer because the first thing to do will be to find the best man we can. Then there is the question of the financial implications. I can assure you that it will cost money, perhaps quite a lot. But one of the Committee's first tasks will be to find out how much it will cost and if we need more money we shall most certainly come and ask you for it." Referring to the structure of the committee, he said it would be much like the Films Committee—of a standing nature but one on which the Council could have the right sort of outside representation.

MR. S. J. FRENCH, Croydon, said that someone had asked if the public-relations officer would be a pharmacist. The resolution stated "a paid, professional public-relations officer." Mr. French said he believed Mr. D. Royce was confusing the matter before the meeting with the National Pharmaceutical Union's scheme. What the Society wanted was unpaid publicity.

The motion as amended ("That the Society should set up a public-relations committee, with a paid professional public-relations officer to maintain and increase the prestige of all branches of our profession") was carried. A number of other motions on the same subject were then withdrawn.

Apathy to be Investigated

A motion from the North Staffordshire Branch was also carried. It urged "That apathy of the members to pharmaceutical affairs should be treated as a matter of the utmost importance, to be investigated at Council and branch levels during the coming year with a view to producing positive measures to tackle the situation." Proposing the motion, MR. C. E. TURNER said that apathy could be voluntary or it could be induced. The problem was to decide if apathy in the profession was inherent or induced. In the Council elections this year only about 30 per cent. of the membership had bothered to vote, and attendance at the annual meeting had been but a small percentage of the membership of the Society, and would have been even smaller if the Branch Representatives' meeting were not organised in conjunction with the annual meeting. North Staffordshire Branch had prepared and sent out to 284 branch members a circular asking for ideas as to items to include in the branch programme. Only one had been returned. Five factors could be responsible for the present state of affairs. They were chronic frustration; a feeling of isolation; lack of information on policy; apparent lack of concern by the Council for the ordinary member; and complete ignorance by members of the true purpose of the Society's branch system. As to the first of those points, all members were aware of the phrases used by the Council when dealing with the resolutions passed at Branch Representatives' meetings. The Council had given its reasons why it could not act upon two resolutions passed at the previous Branch Representatives' meeting "and that is after twelve months." If the motions were again passed that day he wondered what the Council would do with them. Of the feeling of isolation, Mr. Turner said that in the Council election members were asked to vote for people whom most of them had never met and did not know. "Members here today are the lucky ones. We have the opportunity to meet some of our elected representatives and perhaps even to hear some of them speak. But we are a small percentage of the total membership. We at North Staffs feel also that we should have more information published on Council meetings. We should like to know the views of Council members on topics of importance. We think the committee flag is used far too often in Council meetings." The apparent lack of concern by the Council for the individual member did not help to combat apathy. There were occasions when the individual members felt that their integrity had been questioned. "Those members believe the Society does nothing about that." The only time members seemed interested in the branch, said Mr.

Turner, was when there was a question of finance that personally affected them. The North Staffs Branch believed that the Council should undertake an "operation rouser." MR. G. L. WALTON, North Staffs, seconded.

MR. H. RIDEHALGH, Bournemouth, said that if there were no apathy pharmacists could dictate how medicinal preparations should be distributed, and even whether particular ones should be distributed at all. If there had been no apathy the Chemists Federation might not have died. When members were asked why they did not care, the reply generally was that the Society was not interested in them. He suggested there should be more friendly contacts between the Council and the members and between London and the branches.

MR. E. W. RICHARD, Romford, said that Romford Branch was interested in the motion because, like North Staffs, it had been suffering from apathy for years, and attendance at Branch meetings was only about 10 per cent. of membership. Romford Branch also had sent out circulars to members to find out the reason for their apathy. Members had been asked seven questions: Are you really interested in local branch affairs? Are you satisfied with the programme of meetings arranged? If not, can you suggest any subject or speakers which would appeal to you? Are you satisfied with the venue, date and time of meeting? If not, which day, time or place would suit you? What branch activities are you interested in? Of 270 circulars sent out, 237 had gone by post, with stamped addressed envelopes for reply. The replies received numbered eighty-one (i.e., 30 per cent.). Mr. Richard summarised the answers to the first question. Fifty members had said they were interested in branch affairs; twelve said "Moderately"; nineteen "No." If it were assumed that the 189 who did not reply were also saying no, then sixty-two out of 270, or almost 20 per cent., of the branch membership, expressed interest in branch affairs but half of them never turned up to branch meetings. Those figures underlined strongly that there was apathy among members. They also showed that, whatever activities were arranged by the Branch, they were likely to attract only a small percentage of members. That must lead to the question whether it was all worth while. Had the time come for a radical reorganisation of the whole branch system? Mr. Richard asked the chairman if the Council considered that the branch system was working satisfactorily, and if the results of branch efforts justified the expenditure.

A "Shocking" Vote

MR. J. MACPHERSON, Northern Scottish Branch, said that the Council election voting figures were really shocking, though the result was satisfactory to Scotland. "I sometimes wonder if all the candidates are so good that the electorate cannot make up their minds, or if they are so bad that the electorate decide not to vote at all." He suggested that biographies should be sent out with the voting papers and that a prepaid envelope—

not a stamped addressed envelope—should be sent with each one. Mr. Macpherson went on to suggest that a member who did not vote for an arbitrary period (he suggested three years) should be marked off the electoral roll. He also suggested that a fuller Council report than that given in the pharmaceutical Press should be sent to branch secretaries, to ensure that members who were really interested could read the full reports of the Council meetings.

MR. A. HOWELLS, Dartford, said he did not think that the discussion should be allowed to close without a word of praise for members of the Council who did go to branches throughout the country to address small meetings.

THE CHAIRMAN said that of course the Council was not satisfied with the results of the branch system; it was highly dissatisfied because Council members knew that better results could be obtained. "But," he continued, "is this meeting satisfied that this apathy is peculiar to pharmacists?" That was a question everyone should endeavour to answer. "There is nothing the most active Council in the world can do to make a person who is not interested in his job take an interest in it, and there is nothing the Council can do to give a man inspiration to better the profession he has chosen. If I knew of such a method, I would most certainly put it to the Council."

The motion was carried.

"Protect Members' Rights"

Dudley and Stourbridge Branch proposed "That the Charter should be reviewed by the Council, regarding the protection and preservation of the rights and privileges of its members in all sections of pharmacy." Proposing the motion, MR. F. J. POWELL said that he wished to make it clear that his Branch was not asking for a revision of the 1953 Charter. "What we ask is that the Council should revise the attitude adopted by successive Councils in the past six years in implementing the objects laid down in paragraph four, and particularly in that section which states: 'To maintain the honour and safeguard and promote the interests of the members in their exercise of the profession of pharmacy.' We think that the diligence with which past Councils have promoted object two—'To promote pharmaceutical education and the application of pharmaceutical knowledge'—while worthy of approval, has caused object three to take second place. We think that that situation should be remedied. Last year, the Branch Representatives' meeting passed a resolution that the Council should use its best endeavours to ensure that the supply of drugs and medicines for human and animal consumption should be restricted to pharmacists. The Council's reply was that the resolution was in accordance with Council policy: in other words the resolution was unnecessary. But it is no use having a policy unless it is actively pursued. The Council should pursue a policy of safeguarding members' interests. The statutory provisions of the 1953 Charter should be implemented in the best interests of the majority of the mem-

bers. Pharmacy has been forced to become commercialised but there are many here who would prefer to practise pharmacy as a profession." After referring to the formation of public pharmaceutical companies, Mr. Powell said that since then two companies had been a constant "thorn in the Council's flesh." The influence of American pharmaceutical industry on pharmacy in Britain had increased by leaps and bounds since the 1939-45 war. "Here is a letter containing a coupon which has been distributed by post to thousands of homes in the West Midlands by the subsidiary of a well known pharmaceutical company," said Mr. Powell, pointing out that the coupon offered fivepence off a packet of pain-relieving tablets, "if you take this coupon to your local chemist." Enough had been said of the soap industry's

use of that method of sales promotion. "Are we going to allow it to develop in pharmacy?" We think that the Council should step in. There have been frequent breaches of the 'code of ethics' which have been too leniently dealt with by the Statutory Committee, and the Council should see that the 'code' is more rigidly enforced. They should make the responsible authorities realise that, with the high standard of education required, our services should be adequately recompensed."

Seconding the motion, Mr. F. H. HADEN, Dudley and Stourbridge, said that vigorous leadership must show itself in the safeguarding of the pharmacist's rates for dispensing.

THE CHAIRMAN asked Mr. Powell what action he had taken on receipt of the circular and coupon that were objectionable to him to bring them to the

notice of the Society. Had anything of a like nature been seen by him and reported by him? Mr. POWELL replied that as he had only received the coupon a fortnight before the meeting he had reserved comment on it until the meeting. He believed that it would support his comments at the meeting. "I cannot say that I have had cause to complain of a similar instance in the pharmaceutical field before. This may be the first instance."

THE CHAIRMAN: "I would remind members that the office would like to receive any such complaints so that they can be dealt with. The Council and the office have no representatives over the country except you, the members."

The motion, on being put to the meeting, was carried.

(To be concluded)

PHARMACEUTICAL SOCIETY'S ANNUAL MEETING

President comments on items in Council's report

AT the annual meeting of the Pharmaceutical Society in London on May 20 THE PRESIDENT (Mr. D. W. Hudson) read the report of the scrutineers on the voting in the Council elections (see *C. & D.*, May 23, p. 545) and read out the names of all members of Council. He then enlarged upon matters dealt with in the annual report of the Council.

Mr. Hudson said that the change-over to the new requirements for student registration inevitably meant a decline in registrations as "Student" during the year from March 1, 1958. The drop had continued into 1959. The number of registrations had been further affected by the increasing proportion of students taking degree courses. Those students were encouraged to register but were not required to do so and many did not.

What, asked the president, was the expectation of recruitment under the new conditions? The Council believed the prospects were good but were not leaving the matter to chance. A more active recruitment policy would be pursued. That would be one aspect of the work of a new committee which would deal generally with questions of publicity within the Society. It was appropriate to mention a pharmaceutical exhibit at the National Education and Careers Exhibition, Olympia, May 26 to June 5. The president also referred to the career film on pharmacy prepared by Boots Pure Drug Co., Ltd. (see *C. & D.*, March 21, p. 303) and hoped all Branches would arrange to have the film exhibited in local schools and at meetings of parent organisations.

While the number of pharmaceutical chemists continued to rise, the size of the increase was not so great as in recent years. That was attributable, not to a decline in the number qualifying during the year, which in fact was greater than in any year since 1940, but to an unusually large number of retirements, consequent upon the change in the fee position.

In the total of registered premises there had been a further net decline. It was difficult to forecast whether the

trend would continue further, but it might be expected to do so. It would be a useful service if an analysis of the causes of the trend and its consequences could be undertaken, and he threw out the idea for consideration by anyone interested.

Efforts to bring about more satisfactory pharmaceutical arrangements in the hospital service had not yielded spectacular results, but some progress had been made, and the recent circular issued by the Ministry of Health on the organisation of hospital pharmaceutical services gave encouragement to those who had been working for so long for improvements in that quarter. On the other hand the recent reports on hospital supplies and on sterilisation in hospitals showed how far short in understanding of the hospital pharmacist's position official and semi-official policy fell. The facts of the situation, and the vigorous reaction in support of the pharmacist's claims, offered a good prospect of vindicating that position. By contrast the reports of the Douglas Committee on Prescribing Costs in Scotland and of the Hinchliffe Committee on the Costs of Prescribing made full acknowledgment of the rôle of pharmacy in its several branches and offered suggestions as to directions in which more use could be made of the services of pharmacists.

In case there were any lingering doubts about the fairness of the increase in personal retention fee he would like to put the matter in perspective. Before the war, when the fee was £1 1s. 6d., an important contribution to the Society's income had been made by the surplus on examination fees; in the intervening years the examination fees had not been increased to correspond with the rise in costs generally, the Council taking the view that candidates should not be expected to pay more than the cost of examinations. In consequence the surplus had declined and there was now virtually no surplus from that source. Since 1939 the fee had increased only by two-and-a-half times, the effect of the increase being lessened because it was now possible for a member to charge the fee

as an expense against tax. Moreover the Society could now invest up to half its capital in non-trustee securities, giving some protection from the effect of the decline in the value of money.

The Council had advised pharmacists from time to time on the conditions they should observe in the supply of certain drugs or classes of drugs liable to be dangerously misused if supplied without safeguards. Failure to follow that advice not only showed a lack of responsibility but was liable to expose pharmacy to serious public criticism, or at least to an attitude that regarded the pharmacist as of little account in the extra-legal control of drugs. It behoved all to reflect on the consequences such failure could have upon the reputation of pharmacy.

The president referred to the setting-up of a Department of Pharmaceutical Sciences and said members could look forward to much fruitful work from the new department under its director Dr. K. R. Capper. It was appropriate to refer to the remarkable results of the revived evening meetings of the Society as the arrangements had been made by Dr. Capper and his staff.

Points from Council's Report

The report of the Council of the Society on the work of the year 1958 contained the following figures and facts:—

Persons registered as "student": 516 (against 851 in 1957).

Names on register: 27,614 (sixty-seven up). Registrations under reciprocity agreements: 142.

Superintendents to bodies corporate: 3,506 (3,514).

Premises registered: 15,067 (125 down).

Branch shops: 4,097 (sixty-six up).

Entries, including re-entries, for Intermediate examination: 946, passes 443; for Pharmaceutical Chemist Qualifying: 1,359, passes 729; for Diploma in Biochemical Analysis: eighteen; passes seventeen.

Pharmacies visited by Society's inspectors: 14,420 (13,780); drug stores visited: 3,545 (4,372); premises of listed sellers visited under arrangements with certain local authorities: 1,366 (1,704).

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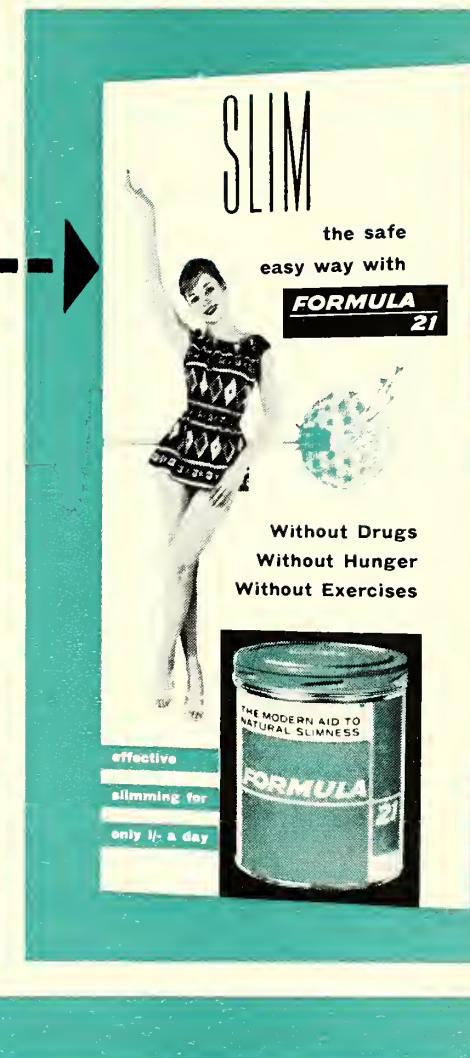
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Private Public Relations

ON the odd ground that some associations, such as the Association of British Pharmaceutical Industry, already have their own public-relations organisation, the Branch Representatives of the Pharmaceutical Society (see p. 580) amended a resolution and voted for a public-relations officer exclusive to the Society.

Public relations is a subject much in the air, not only in pharmaceutical circles. Everybody recognises that it is a good thing to have a public-relations officer. So if it is a good thing to have one it must be even better to have several. The A.B.P.I., with its professional P.R. agents, has a good start on other bodies in the trade. The National Pharmaceutical Union is just now, given the requisite support on a referendum, setting up a Publicity Association to conduct a paid campaign of advertising for its members. That is, we realise, not the same thing as setting up a public-relations department, but advertising campaigns for trade associations inevitably attract Pressmen's questions, which somebody has to answer. Will those queries be passed to the new P.R.O., if any, of the Pharmaceutical Society, or will someone at Queen Square, with or without the title, carry out the functions of one? If and when the Pharmaceutical Society's P.R.O. gets going there would seem to be three good publicists to see that the public is accurately informed on matters pharmaceutical. That should be quite splendid—so long as they all say the same thing, or so long as the questions asked are of unique concern to the body approached. It will be just too bad if *The Times* should ring up the A.B.P.I., the *Daily Express*, say, the N.P.U. and the *Daily Mirror* the Pharmaceutical Society on a matter in which they all have an interest, and they are all given a different slant on the same story. There are few topics nowadays that fit nicely into watertight compartments. The public, and the lay Press, who are both unaware of pharmacy's complicated set-up, may easily become more confused and bewildered than in the bad old days before P.R.O.'s, when there was nobody to tell anybody anything.

Mr. S. J. French declared at the Branch Representatives' meeting that his Branch did not expect a miracle overnight, but to all appearances many of his colleagues last Thursday were expecting the millennium to break after the P.R.O.'s appointment, ushering in an unbroken future of warm public appreciation of and gratitude for pharmacists' solid contributions to the welfare of the community. The president and Council,

of course, have long realised that the problem is not quite so simple as that. It seems fair to say, in fact, that they have found the problem paralysingly complex. They first realised its importance before ever West Herts and the others sent in their resolutions for inclusion on the Branch Representatives' agenda. That was five months ago. Mr. Hudson went out of his way at the meeting to establish that fact, as if he saw something improper in the Council's ever being stimulated to action by anything the Branches proposed: the ideas must come by spontaneous generation from within the Council or from nowhere. It is true the Council's "careful study" had not resulted by May 21 in a decision to appoint a P.R.O. The stage that had been arrived at was the momentous one to set up a Public Relations Committee. Naturally it would have been rushing fences to have actually appointed the Committee for, as everyone knows, the time for appointing committees is after the first Council meeting after the Society's annual meeting and elections. That apparently applies even though the Committee is not to be, in the strict sense, a Council Committee but a blend, like the Films Committee, of Council members and outside experts. Whether careful study has been given to the persons who are to be co-opted, or whether the names are to emerge from still further careful study by the quorum of Council members of the Committee, is not known. Nor do we know whether the Committee will decide to act on the Branch Representatives' recommendations and appoint a P.R.O., or whether, if it does, he will be a "professional" or a pharmacist with a special talent for the work. That is doubtless another matter calling for study. We must all hope that the Committee's achievements will be more conspicuous than those of another committee—the Veterinary Committee—which some of those rural chemists who had campaigned for it now feel needs "special study" on their own part to discern any sizeable outcome.

We are disappointed that the opportunity was not taken by the Branch Representatives to move towards co-ordinating the public-relations efforts of all sections of pharmacy and the pharmaceutical industry, as has been done in America. We share with the most ardent advocates of a P.R.O. for the Society a realisation how important it is for pharmacy to have right relations with the public. Too often the public's attitude to pharmacists is a frown of displeasure when it should be a smile of goodwill. The Committee is a start. The P.R.O. will be a useful step forward. The goal is still co-ordination.

A PHARMACIST'S ANTHOLOGY

A PRAYER-STAMP ON THE SPOT

From *Seven Years in Tibet*, by Heinrich Harrer.

In Kyirong I made the acquaintance of a monk who had studied in the school of medicine in Lhasa. He was much respected and was able to live richly on the provisions which he received as fees for his services. His methods of treatment were diverse. One of them was to press a prayer-stamp on the spot affected, which seemed to succeed with hysterical patients. In bad cases he branded the patient with a hot iron. I can bear witness to the fact that he thus restored a seemingly hopeless case to consciousness, but this treatment affected many of his patients adversely. . . . He confessed to me that his knowledge was limited, but he did not worry himself unduly about that and managed to avoid unpleasant incidents by frequently changing his place of residence.

HOSPITAL PHARMACY FORUM

LOCUMS AND THEIR RATES OF PAY

*Hocum pocum, who'd be a locum
 At sixteen guineas, be it man or wife?
 We've offered seventeen — another's offered eighteen
 But you'll never get a locum — never on your life*

(OLD LAMENT)

SO at last the hospital pharmacists have allowed their exasperation to issue in an act of protest in asking the official organ of the Society to suppress advertisements for locum pharmacists unless the salary is stated and is not less than £18 18s. a week. By now that must have had repercussions in nearly every hospital management committee in the country and in many teaching hospitals as well (though the latter are usually better able to spread the work over a reduced staff than are the former). Yet the Ministry insists on its arbitrary £16 16s. The "locum" problem has been simmering under the surface for a long time, and is itself a symptom of a deeper dissatisfaction and despair with conditions generally in the pharmaceutical service of the hospitals. Recently a senior member of the profession wrote to the author:

"So I am leaving hospital pharmacy—sadly grieved, disappointed and disillusioned. My life's endeavours to place hospital pharmacy in the valued and respected position it should occupy are being erased by a rubber stamp."

He is one of many who feel like this. Some of them hang on still hoping for improvements: others have already found alternative employment: others are wondering what to do. If the recruitment and career value of the hospital service were at all comparable with other branches, the locum problem would be a trifle. As it is, all over the country there are posts which have been filled for years by "pseudo locums" and others which have been so long vacant that nobody any more regards them as existent.

It is not difficult to understand the Ministry's resistance to paying £18 18s. a week to a "locum" when the permanent staff salary for the same job is so much less, but when the staff is not forthcoming the logic of the situation is surely to conclude that the permanent staff salary is unrealistically low, and to revise it accordingly. Meanwhile many pharmacists are finding themselves without staff during the summer months and will be obliged to shed some of their work. It is apparently of no great importance in the myopic view of the Ministry that the closing of a sterile solutions laboratory may cost the Treasury about £200 a month. In the business world men are more realistic. They decide what they really want to do, they count the cost as it really is in a hard and competitive world, and they pay the price. Somehow the Minister thinks he can go on persuading pharmacists to accept the responsibilities and worries attached to a hospital post at a salary below par. In pressing for a minimum salary of £18 18s. a week for locums the hospital pharmacists are merely taking what steps they can to increase their chances of obtaining the much needed help. They know that no retail pharmacy would expect to find a locum at that figure and it is surely obvious that the retail pharmacist and the hospital are competing for the same personnel—the young pharmacist who has not yet settled in any particular branch, the married woman who is prepared to work for a short period each year, or the retired and semi-retired who like to keep in contact. Such pharmacists are not concerned with the advantages of holidays on full salary, superannuation, benefits, sick-leave pay or security of tenure. They are offering their services in emergency or for short predetermined periods and are in a seller's market. On the whole, hospital pharmacists do not enjoy employing locums. They would rather have permanent staff who share the continuing responsi-

bility of running the department, and who know their way about the place, literally and metaphorically, than depend upon strangers whose interest in the hospital is scarcely discernible. If, however, the hireling must be hired, let him be hired at a suitable price and let him be a good one.

It is high time somebody at the Ministry took the situation in hospital pharmacy quite seriously. We have had enough high-sounding platitudes. The Linstead report outlined the functions of the pharmacist and said what a good and useful fellow he could be. The Bradbeer report said "Let him get on with his job and don't interfere." Then Sir Basil Gibson tells us that the hospital pharmacist cannot be much good because he's paid so poorly: he should hand over his amateurish endeavours to the highly trained and omniscient supplies officer whose unfathomable wisdom is demonstrated by his more worthy remuneration. Now the Minister thinks that much good would come if we had a system of group pharmacists—but not everywhere. We must not make a god of this poor two-legged ass by elevating him to the same lofty heights as the group engineer or that Solomon of supplies.

Words and contradictions! Vacillations and prevarications! Circumlocutions and evasions! Pomp and persiflage! The solution is neither complicated nor concealed nor costly. Offer a career in hospital pharmacy that will put a man on the same standard of living that his college contemporaries enjoy in other posts in the same profession, and there would be no anxiety about locums.

The practice of pharmacy in hospital has its own attraction and its intangible rewards. How often it has been said by students: "I would like to come into hospital—but I cannot afford to." Can the Ministry afford to go on losing them from the hospital service?

Onward from Galen
 A CURRENT CAUSERIE

OVER and above all the power of advertising, either on television or in newspapers and magazines, manufacturers would be wise never to forget the value of quality in the goods themselves. Mention was made recently by Xrayer of a safety-razor he had used for nearly thirty years, and compared unfavourably with its predecessor the new one he bought to replace it. It may be held that it could never pay a manufacturer to produce a razor that lasted thirty years. Maybe not. But it ensured that blades of that manufacture were used to the exclusion of all others during that time. I hope we are not to enter a stage where the selling of goods becomes more important than the goods themselves.

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THE Pharmaceutical Society's Branch Representatives' meeting (p. 580) was notable, as compared with many of recent years, for the way in which members generally showed their knowledge of the A.B.C. of debate ("audibility, brevity, clarity"). There were of course exceptions to that generalisation but an all-round "neatness" was apparent that has on previous occasions, as we have commented, been lacking. Untidy, rambling, time-wasting and irrelevant speeches were happily missing, and only one misunderstanding arose. Gone, too, as one delegate observed, were the "barrack-room lawyers" who in the

past have been ever ready to query the wording of motions. Perhaps one delegate was sitting too near to the microphone, but that is not to say that his contributions were not worth while, and the only delegate who over-ran his time may perhaps be forgiven, tiresome though he seemed to some, because he was presenting a detailed plan which,

if accepted, would have completely changed the practice of retail pharmacy. And even he presented his case clearly. Analogies and quotations, though few in number, were apt to the discussion on hand, and jokes of the after-dinner variety were so sparingly recounted as to be the more appreciated in leavening the four-and-a-half hours of debate.

PHARMACIES OF BRITAIN—79



THE PHARMACY OF AMOS JONES, DRURY LANE

At the corner of Drury Lane and Long Acre, London, W.C.2, is one of London's most famous pharmacies, that of Amos Jones (Chemist), Ltd. Established as long ago as 1785, the pharmacy is unusual for having specialised for many years in theatrical requisites.

A NEW PHARMACY FOR AN OLD

Practical shape given to the theories of a superintendent chemist

A NEW central pharmacy with its own warehouse, opened recently by Lochgelly Equitable Co-operative Society, Ltd., was the result of eleven years of background planning and two years of detailed planning. The effectiveness of that preparatory work was tested in two peak trading periods recently without demonstrating any flaw in the layout or operations. Mr. Alexander Paxton, M.P.S. (superintendent chemist) was largely responsible for the detailed planning of the new building. Though satisfied with its success, he modestly points out that he had ample time to decide precisely what he wanted.

The new two-story building is located in the heart of Lochgelly, occupying a corner site where the Society originally had a pharmacy, built up in stages over a period of years. The Society decided to demolish the existing building and replace it. Work began in September 1957, and was completed in a little more than a year. Mr. Paxton gave the architect and the shopfitter detailed plans of his requirements and admits that in some cases they were contradictory. He demanded maximum central floor space for customer use though at the same time he asked for much more behind-the-counter space than was usual. He also wanted effective wrapping facilities but maximum counter-top display space. However, most of his demands were met to his satisfaction and in many cases the shopfitters added decorative features to the original designs, to the improvement of the whole building.

The shop entrance is rounded and completely glazed, giving maximum vision into the shop by day or night. Space is provided for parking prams either under the outside canopy or immediately within the foyer, and no obstruction is caused or internal floor space wasted. On the left of the foyer a display window has been set into the timber of the wall, to show two certificates of registration, an old Edinburgh Infirmary recipe for koumiss, and a few other items.

Immediately on entry there is a doorway set into the veneered timber of the



right-hand wall which gives access to a narrow passage running behind the window and the internal stock shelves. There, reserve stock is accommodated and window dressing may be carried out without disturbing fixtures within the shop. Each section of the shop orders in bulk from the warehouse, and is allocated shelf space in which to hold stock preparatory to transfer to the selling shelves. A similar working area is placed behind the left-hand side of the entrance.

Open Shelving and Why



The dispensary at the rear of the shopping area. All available space is fully utilised. At top left is a window into the manager's office and further along is an entrance to that office.

The shopping area has been laid out in two main sections. The right-hand wall, which is angled, has been devoted entirely to items that demand staff service. Wall shelving and front counter layout are normal. The left-hand wall is devoted to products suitable for self-service and has no counter. The right-hand wall fixtures are eight shelves high and fully 2 ft. deep. The depth of the shelving allows a large stock to be available within the selling area, so that assistants have less travel and need to restock less frequently than is usual. Those shelves are not protected. Mr. Paxton checked his existing branches and found that pressure of business often forced staff to leave glass sliding-doors open at peak periods. In temporary premises using open shelves he found that service was vastly improved merely because the time involved in opening and closing glass doors was eliminated. There is a minimum of 3 ft. of space between counters and wall. Open-vision counters are used for sale and display. Pull-out shelves and suspended paper rollers suffice for wrapping purposes and save valuable counter space. Counters are supported on 8-in. legs in order to allow easy sweeping beneath them and to eliminate damage by kicking. The counters are finished in panels of alternating colours and lighting is above them and also behind an extended canopy to the wall fixtures. The strip lighting and tungsten spotlights blend well and are decorative in themselves. The left-hand wall is designed for open access and self-service, and has pegboard at eye level, glass-parti-



The right-hand side of the pharmacy showing the deep, open wall fixtures, clean lines of design and the well-placed lighting fitments.

tioned counter trays at hand level, and a timber frieze to the ceiling.

All friezes have been brought out flush with the top of wall units so that the clean *décor* is maintained and dust traps eliminated. The self-service wall is completely visible from a panel in the door of Mr. Paxton's office at the extreme top left of the shop, where front windows allow control of the entire shop and the dispensary, which is also reached by a door from the rear of the manager's office.

The dispensary is at the rear of the shop and again is a model of concise layout. Blue Formica is used for all working-table tops because it was found to be the only colour that clearly showed the presence of moisture. An inter-communication system in the manager's office links the

warehouse and the shop. Signals have been devised that warn all staff when the shop is under pressure; and Mr. Paxton, by a system of flashes, can call any member of his staff. The warehouse on the first floor has Dexion slotted-angle wall and island fixtures for bulk stock, none of which is more than about 4 ft. high (to avoid undue lifting and strain). All islands are arranged so that lines of lighting run centrally. A separate office controls incoming calls, shop requisitions, dispatches, and other business. All bulk stock is handled in the warehouse and dispatched to the Society's five retail shops.

Externally, an automatic vending machine has been installed to retail a variety of toilet preparations after closing hours.

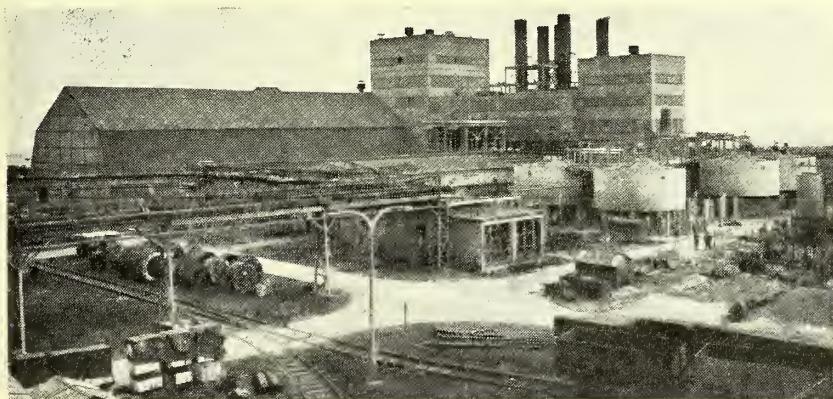
TITANIUM PLANT EXTENSION

£2 million project completed at Grimsby

A MAJOR extension of the titanium pigment producing plant of British Titan Products Co., Ltd., has been completed at Grimsby. Construction has taken two and a half years and has cost over £2 millions. The new project, planned entirely by the company's staff, brings the total output of the Grimsby plant to 70,000 tons a year. It is concerned mainly with the manufacture of the various rutile grades of titanium pigments, supplementing the production of anatase grades at the company's plant at Billingham-on-Tees.

New wagon-tipping plant and an automatic conveyor system feed a new silo, with a capacity of 20,000 tons, loaded from the top. Ilmenite preparation plant including oil-fired drying and ball-mill grinding machinery, and a digester unit with an output of fifty

tons TiO_2 per day has been erected. A sulphuric acid plant capable of producing 180 tons a day has been included in the unit, together with ancillary power substations and air compressors. The plant is fully instrumented, production processes being regulated from centrally positioned control rooms. The resultant titanium liquor produced by the new extension plant is pumped under pressure for refining and final stages of production at the main British Titan plant. The present stage of new building is completed with a large new raw materials store. This extension, as with the expansion of the Billingham plant, is part of the development programme planned by the company to keep pace with the rapidly growing demand for titanium pigments all over the world.



General view of the new developments at the Grimsby works of British Titan Products Co., Ltd.

ALKALI WORKS

Inspectors' annual report

DEVELOPMENTS in the production of bromine from sea water are referred to in the ninety-fifth Annual Report on Alkali, etc., Works, 1958 (H.M. Stationery Office, price 3s. 6d.). Further technological improvements will enable production to be increased during 1959. The bulk of the bromine is converted into ethylene dibromide, over 80 per cent. of which is exported, providing 5 per cent. of the United Kingdom total chemical exports. The report also refers to the increased responsibility of the alkali inspectors as a result of the extension of the Alkali Act. Complaints were investigated at 270 works during the year, against 133 in 1957. Of the

207 complaints against registered works, 140 related to those which became registrable after June 1958. In England and Wales the production of sulphuric acid in 1958 was 2,023,000 tons compared with 2,137,000 in 1957 and 821,000 in 1938. The proportion of acid made by chamber and tower processes in 1958 was 19.0 per cent. and by the contact process 81.0 per cent., compared with 60.3 per cent. and 39.7 per cent. in 1938. The report states that Humberside is now one of the great acid-making regions of the country. In a section headed "chlorine works" a report is included concerning a small plant used for the chlorination of an aliphatic or-

ganic compound where an explosion wrecked the caustic-soda waste-gas scrubbing system. Apparently traces of ammonia in the compound led to the formation of ammonium chloride. That sublimed to the roof of the reaction vessel where, with the excess chlorine, it apparently produced nitrogen trichloride, which exploded. "Elaborate precautions are now taken to exclude all traces of ammonia." The erection of a plastic chimney 140 ft. high to counteract the tendency for fumes from granulating of fertilisers to form persisting mists is reported by the Chief Inspector for Scotland.

PATENT OFFICE

Annual report

THERE were during 1958 more trade mark registrations for pharmaceutical products than for goods in any other category of the Trade Marks Register. That information is given in the annual report, "Patents, Designs and Trade Marks" (H.M. Stationery Office, price 1s. 3d.). The total number of trade marks registered was 7,250 (8,217 in 1957), of which 732 were for pharmaceutical products, but that total was 19 per cent. smaller than in the previous year, when the figure recorded (900) was the highest since the war. Seventy-five marks were registered for surgical, medical, dental and veterinary instruments and apparatus (seventy-seven in 1957) and 351 (900) registrations in the class for chemical products used in industry, science, etc. Applications for patents reached 42,277 (40,498)—a record. United Kingdom inventors accounted for nearly 24,000 applications; the United States for 7,120, Germany for 4,317, France for 1,622, Switzerland for 1,310. Over 22,700 provisional and 30,800 complete specifications were filed. In his report the Comptroller-General states that the specifications relating to chemical inventions accepted showed less departure from existing lines of progress than in recent years. Special mention is made of the introduction of sulphonamides suitable for the oral treatment of diabetics. Specifications concerned with the low-pressure polymerisation of olefines were conspicuous, and activity was shown in the preparation of new optical brightening agents, glutamic acid (used for meat flavouring) and new epoxy compounds useful as plasticisers or as stabilisers for vinyl resins. Considerable activity was shown in the use of photo-electric cells for counting and sizing particles and for controlling exposure in photographic printing.

INTERNATIONAL NON-PROPRIETARY NAMES

Proposals by World Health Organisation

THE World Health Organisation has issued the following list of drug names proposed as international non-proprietary names. Comments on, or formal objections to, the proposed names may be forwarded by any person to the Sec-

retary, Expert Advisory Panel on the International Pharmacopoeia and Pharmaceutical Preparations, World Health Organisation, within four months from April 1, 1959. The inclusion of a name in the lists of proposed international

non-proprietary names implies no recommendation for the use of the designated substance, whether in medicine or pharmacy.

Latin and English titles of the product are both shown.

Proposed Name	Chemical Name or Description	Proposed Name	Chemical Name or Description
acetyl-digitoxinum	α -acetyl-digitoxin	dichloromezanum	2-(3,4-dichlorophenyl)-3-methyl-4-methathiazanone 1,1-dioxide
acetyl-digitoxin	3-hydroxy-3,7,11-trimethyl-dodecanoic acid	dichlorozanone	N-dichloroacetyl- <i>p</i> -hydroxy-N-methylaniline
acidum trethocanicum	10-(2-methyl-3-dimethylaminopropyl)phenothiazine	dihydrocodeinum	1,3-dimethyl-7-(2-dimethylaminoethyl)xanthine
trethocanic acid	2-amino-4-anilino-5-triazine	diloxan-dum	6 α ,21-dimethyl- <i>l</i> -histerone
alimemazinum	1,4-benzoquinone amidinohydrazone thiosemicarbazone hydrate	diloxan-de	N^2 -acetyl- <i>N</i> ¹ -(β -hydroxy- β , β -diphenylpropionyl)-hydrazine
alimemazine	10-(2,3-bisdimethylaminopropyl) phenothiazine	dimethazanum	3-ethyl-2-[5-(3-ethyl-2-benzothiazolidinylidene)-1,3-pentadienyl] benzothiazolium iodide
amanozinum	3-dimethylamino,1,1,2-tris (4-methoxyphenyl)-1-propene	dimethazan	9 α -fluoro-11 β ,17 α -dihydroxy-6 α -methyl-1,4-pregnadiene-3,20-dione
amanozine	7-chloro-4-(4-hydroxy-3-pyrrolidin-1'-ylmethylanilino)-quinoline	dimethisteronum	5-morpholinomethyl-3-(5-nitrofurfurylideneamino)-2-oxazolidinone
ambazonum	N-benzyl- β -chloropropionamide	dimethisterone	5-methyl-3-(5-nitrofurfurylideneamino)-2-oxazolidinone
ambazone	N-(2,3-di- <i>p</i> -chlorophenyl-1-methylpropyl)maleamic acid (a- form)	diphoxazidum	2-p-aminobenzenesulfonamido-5- <i>tert</i> -butyl-1,3,4-thiadiazole
aminopromazinum	3,3'-diallyl-5,5'-bisdiethylaminoethyl-4,4'-dihydroxy-diphenyl	diphoxazide	2-p-aminobenzenesulfonamido-5-isopropyl-1,3,4-thiadiazole
aminopromazine	(3-p-bromophenyl-3-pyrid-2'-ylpropyl)dimethylamine	dithiazan- <i>n</i> i iodium	hexadecamethylenebis-(2-isoquinolinium)dichloride
aminoxytriphenum	1-bromo-2-p-ethylphenyl-1,2-diphenylethylene	dithiazanine iodide	<i>N,N,N',N'</i> -tetramethylhexamethylenediamine trimethylene bromide polymer
aminoxytr. phen	1-(<i>p</i> -hydroxyphenyl)-2-(1-methyl-3-pbenylpropylamino) propanol	fluorometholonus	5-hydroxy-1-(<i>p</i> -methoxybenzyl)-2-methyltryptamine
amopyroquinum	a mixture of 100 parts by weight of the monosodium derivative of 5-allyl-5-isobutyl-2-thioharbitic acid and 6 parts by weight of exsiccated sodium carbonate	fluorometholone	7-chloro-4-(4-(<i>N</i> -ethyl- <i>N</i> -2-hydroxyethylamino)-1-methylbutylamino) quinoline
amopyroquin	butyldimethyl(2,3-dimethyl-5-oxo-1-phenyl-3-pyrazolin-4-yl)ammonium iodide	furmethol	sodium 21-(3-carboxypropionyloxy)pregnane-3,20-dione
beclamidum	4,4'-(bis-dihydrochaulmoogroylamido)diphenylsulfone	furmethoxadonum	
beclamide	2-amino-4- <i>p</i> -chloroanilino-5-triazine	furmethoxadone	an antibiotic substance obtained from cultures of <i>Streptomyces paucisporogenes</i> , or the same substance produced by any other means
benzmalacenum	1-(2- <i>o</i> -chlorodiphenylmethoxyethyl)-4- <i>o</i> -methylbenzyl-piperazine	hexadimethrin	17 α -acetoxy pregn-4-ene-3,20-dione
benzmalacene	2-(4-chlorophenyl)-3-methyl-4-methathiazanone 1,1-dioxide	bromidum	17 α -hexanoyloxy pregn-4-ene-3,20-dione
bialamicolum	6-chloro-7-sulfamoylbenzo-1,2,4(4 <i>H</i>)-thiadiazine 1,1-dioxide	hexadimethrine	5-(3-dimethylaminopropyl)-10,11-dihydro-5 <i>H</i> -dihenz- <i>b,f</i> azepine
hialamicol	3- <i>p</i> -chlorophenoxypropane-1,2-diol	bromide	2,5-hisethyleneimino-3,6-dipropoxy-1,4-benzoquinone
brompheniramine	2,4-dichlorobenoxymethyldimethyl- <i>n</i> -octylammonium amsonate (amsonic acid is 4,4'-diaminostilbene-2,2'-disulfonic acid)	hydroxindasolum	(3-carbamoyl-3,3-diphenylpropyl)diisopropylmethylammonium iodide
broparoestrolum	N ₁ -3,4-dichlorophenyl- <i>N</i> ⁵ -isopropylguanide	hydroxindasol	1-(<i>p</i> -hydroxyphenyl)-2-(1'-methyl-2-phenoxyethylamino)-1-propanol
broparoestrol	3-(<i>p</i> -chlorophenyl)sulfonyl-1-propylurea	hydroxychloroquinum	2-hydroxymethyl-5-methoxy-furanochromone glucoside
bupheninum	5-chloro-2-benzoxazolone	hydroxychloroquine	(-)-10-(3-dimethylamino-2-methylpropyl)-2-methoxyphenothiazine
buphenine	choline salt of theophylline	hydroxydiony natrii succinas	lysogenic acid diethylamide
buthalitalum	1- <i>p</i> -chlorobenzyl-2-pyrrolidin-1'-ylmethylbenzimidazole	hydroxydione	1,6-di-(2-chloroethylamino)-1,6-dideoxy-D-mannitol
natri.cum	benzylpenicillin combined with 1- <i>p</i> -chlorobenzyl-2-pyrrolidin-1'-ylmethylbenzimidazole	sodium succinate	<i>p</i> -di(2-chloroethyl)amino-L-phenylalanine
buthalital sodium	3,5,5-trimethylcyclohexyl mandelate	hydroxymycinum	(2-hydroxy-3- <i>o</i> -methoxyphenoxypropyl)carbamate
butopyrammonii	5-(3-dimethylaminopropylidene)dibenzo(<i>a,e</i>)cycloheptatriene	hydroxymycin	<i>a</i> -(\pm)-5-allyl-1-methyl-5-(1-methyl-2-penyl)barbituric acid
iodidum	6 β -hydroxy-3,5-cyclopregnan-20-one	hydroxyprogesteroni acetas	6-methylprednisolone
butopyrammonium	decamethylenebis(4-aminoquinolinium chloride)	hydroxyprogesterone acetate	
iod. de	9 α -fluoro-16 α -methylprednisolone	hydroxyprogesterone caproas	
caulmosulfonum	di[4-(4-hydroxy-2-methyl-5-isopropylphenylazo)phenyl]-sulfone	hydroxyprogesterone caproate	
caulmosulfone		imipraminum	
chlorazanilum		imipramine	
chlorazanil		inproquonum	
chlorbenzoxamincum		inproquone	
chlormezanonum		isopropamidi	
chlormezanone		iodidum	
chlorothiazidum		isopropamide iodide	
chlorothiazide		isoxsuprimum	
chlorphenesinum		isoxsuprime	
chlorphenesin		khellosidum	
chlorphenocitii		khelloside	
amsonas		levomepromazinum	
chlorphenocitum		levomepromazine	
amsonate		lysergidum	
chlorproguanilum		lysergide	
chlorproguanil		mannomustinum	
chlorpropamidum		mannomustine	
chlorpropamide		melphalanum	
chlorzoxazonom		melphalan	
chlorzoxazone		methocarbolum	
cholini theophyllinas		methocarhamol	
choline theophyl-		methohexamol	
linate		methohexital	
clemizolum		methylprednisol-	
clemizole		lonom	
clemizolum penicilli-		methylprednisolone	
num			
clemizole penicillin			
cyclandelatum			
cyclandelate			
cyclobenzaprinum			
cyclobenzaprine			
cyclopregnolum			
cyclopregnol			
dequalinum chloridum			
dequalinum chloride			
deamethasone			
deamethasone			
diethylsulfosulfonum			
diethylsulfosulfone			
diethylsulfosulfone			

Proposed Name	Chemical Name or Description	Proposed Name	Chemical Name or Description
monophosphothiamine	monophosphoric ester of thiamine	pyrazinamidum	pyrazine-2-carboxyamide
monophosphothiamine	-	pyrazinamide	3 α -hydroxypregnane-11,20-dione
orphenadrinum	<i>N,N</i> -dimethyl-2-(α - α -tolylbenzoyloxy)ethylamine	renanolonum	an antibiotic substance obtained from cultures of <i>Nocardia lurida</i> , or the same substance produced by any other means
orphenadrine	<i>N</i> -(2-benzoxazolyl)- <i>N</i> -benzyl- <i>N',N'</i> -dimethylethylene-diamine	renanolone	<i>N,N</i> isonicotinoyl- <i>N</i> '-salicylidenehydrazine
oxadimedine	2-ethyl-3-propylglycidamide	ristocetinum	6-methoxy-3-sulphanilamidopyridazine
oxadimedine	2-diethylaminoethyl 4-amino-3-butoxybenzoate	ristocetin	1,2-diphenyl-4-(2-phenylsulfinylethyl)-3,5-pyrazolidinedione
oxanamidum	1-(<i>p</i> -hydroxyphenyl)-2-phenyl-4-butyl-3,5-pyrazolidinedione	salinazidum	2-hydroxyethyl <i>p</i> -sulfamylcarbanilate
oxanamide	3,3-bis(4-hydroxyphenyl)oxindole	salinazid	9-amino-1,2,3,4-tetrahydroacridine
oxybuprocainum	<i>p</i> -acetamidophenol(acetaminophen)	sulfacthidolum	α -phthalimidoglutarimide
oxybuprocaine	1-methylpiperid-4-yl <i>p</i> -butylaminobenzoate	sulfacthidole	1-(<i>p</i> -butoxyphenyl)-3-(<i>p</i> -dimethylaminophenyl)thiourea
oxyphenbutazone	<i>is</i> onicotinylhydrazide <i>p</i> -aminosalicylate	sulfamethoxypyridazinum	2,14-di(demethoxy)-2-glucosidoxy-14 methylthiocollchicine
oxyphenbutazone	10-(1-methyl-piperid-3-ylmethyl)phenothiazine	sulfamethoxypyridazine	10-(3- $\{$ 4-(2-acetoxyethyl)piperazin-1-yl $\}$ propyl) phenothiazine
oxyphenisatinum	1,2,2,6,6-pentamethylpiperidine	sulfimpyrazonum	10-(2-(1-methylpiperid-2-yl)ethyl)-2-methylthiophenothiazine
oxyphenisatinine	2-chloro-10-(3- $\{$ 4-(2-hydroxyethyl)piperazin-1-yl $\}$ propyl) phenothiazine	sulfimpyrazone	9a-fluoro-16a-hydroxyprednisolone
paracetamolum	<i>N</i> -phenacylhomatropinium chloride	sulocarbilatum	(+)-3-(3-dimethylaminopropyl)-1,8,8-trimethyl-3-azabicyclo[3.2.1] octane di(methylmethosulfate)
paracetamol	dimethyl(3-phenyl-3-pyrid-2-ylpropyl)amine	sulocarilate	2-tiglyltropine
paridoca.num	2,5-diphenylpiperazine di(benzylpenicillin)	taurinum	2-(4- <i>tert</i> -butyl-2,6-dimethylbenzyl)imidazoline
paridocaine	4-diphenylmethoxy-1-methylpiperidine salt of 8-chlorophenothiazine	taurine	
pasiniazidum	polymer of ethylene oxide, propylene oxide and propylene glycol	thalidomidum	
pasiniazid	a mixture of polymers formed from the reaction of formaldehyde and 4-hydroxybenzenearsonic acid	thalidomide	
pecazinum	propionylhyoscine	thiambutosinum	
pecazine	10-(2-dimethylamino-1-methylethyl)-2-propionylphenothiazine	thiambutosine	
pempidinum	sulfate of the strongly basic protein, protamine	thiocolchicosidum	
pempid.ne		thiocolchicos.de	
perphenazinum		thiopropazatum	
perphenaz.ne		thiopropazate	
phenactropinii		thioridazinum	
chloridum		thioridazine	
phenactropinum		triacetinum	
chloride		triacetin	
pheniramidum		triacetyloleandomycinum	
pheniramine		triacetyloleandomycin	
phenyraclilum		triamicinolatum	
phenyraclilum		trimethidinii methylsulfas	
piprhydrinatum		trimethidinium	
piprhydrinate		tropiglinum	
poloxalkolum		tropigline	
poloxalkol		xylometazolinum	
polybenzarsolum		xylometazoline	
polybenzarsol			
poskinum			
poskine			
propiomazinum			
propiomazine			
protamini sulfas			
protamine sulfate			

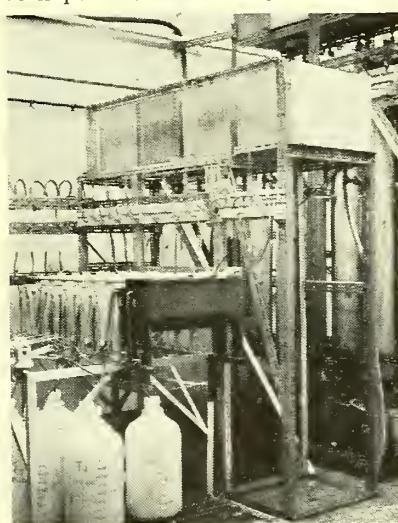
WATER POLLUTION RESEARCH

New techniques and developments shown

THE Water Pollution Laboratory at Stevenage, Herts, recently permitted visitors to view the work at present carried out in its laboratories and grounds or in the field. Broadly the Laboratory's research is organised under chemical, biological and physical groups, though some overlapping of the sciences is inevitable.

Specialised apparatus is required, and in the field "ingenuity pays dividends." Thus, when studying the pollution of streams, it is often necessary to take samples of water at intervals overnight. An automatic sampler suitable for that purpose has been developed at the Laboratory. Twelve bottles, each rather larger than the volume of sample required, are evacuated and connected by lengths of pressure tubing to the source of the liquid to be sampled. The tubing is held closed by electromagnetically operated pinch-clips, which are released automatically at chosen intervals by a battery-wound clock via a cam, microswitch, and stepping-switch. The pulses of current required are drawn from large condensers, which are recharged during resting periods. The currents drawn from the batteries are therefore small, one set of twelve 4.5-volt flash-lamp batteries operating the equipment for several months.

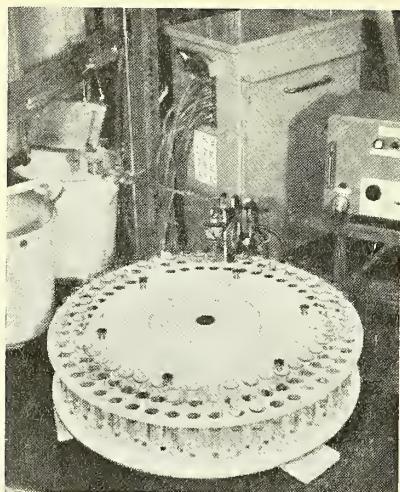
Plants in streams affect both the level and velocity of the water and its chemical properties. By studying the growth of plants in a local stream it has been possible to calculate the amount



Percolation filters and aeration tanks used in small-scale investigations upon new detergents to determine degree of destruction in sewage processes.

of oxygen produced over the growth period. In the River Ivel in the summer of 1958 water weeds produced about 3.8 gm. oxygen/m.²/day. A correlation has been established between daily solar radiation and daily oxygen production by photosynthesis, and an aerial photographic method has been developed for studying the plant distribution in rivers. The apparatus consists of a polythene balloon filled with hydrogen, below which is an automatic camera.

Below the outfalls of sewage works, certain invertibrate animals may significantly reduce dissolved oxygen by their respiration, and the rate of consumption of oxygen by some animals found abundantly in polluted rivers is being determined in the Laboratory. In one stream more than 100,000 midge larvae per sq. metre have been found at certain times of the year; they could reduce the concentration of oxygen in the stream by about 1.5 p.p.m. in a mile of stream. Experiments have demonstrated that midge larvae, by drawing in water for respiration, increase depth of the oxidised surface layer and increase the pH value of the mud, leading to changed pH value and concentrations of ammonia and oxidised nitrogen in the overlying water.



Automatic sampling device to measure radioactivity of water.

As a result of the fall-out in rain of radioactive material derived from the testing of atomic weapons, traces of artificial radioactivity are present in the waters of rivers and lakes. Some rivers also receive traces of radioactive material discharged in effluents from hospitals, laboratories, and atomic-energy establishments. The study of that form of pollution requires special counting equipment, since the levels of activity at present observed are too low to be accurately measured in the counters normally used for work with radioactive tracers. Two automatic counters specially suited to this kind of work have been designed and made at the Laboratory. In each a sample is presented to the counter for a sufficient time for a predetermined number of counts to be accumulated. A chemical separation technique permits the estimation of elements and the potency of radiation associated with particular isotopes (for example, strontium 90).

Another chemical technique is used to measure sunlight and thence photosynthesis. It depends upon the polymerisation of anthracene in a benzene solution to form dianthracene, the degree of polymerisation being measured spectrophotometrically.

Removal of Cyanides

In the removal of cyanides sodium cuprocyanide equivalent to 77 p.p.m. of HCN; sodium cadmium cyanide (\equiv 89 p.p.m. HCN); and sodium zinc cyanide (\equiv 87 p.p.m. HCN) are reduced after treatment to concentrations of 0.1 p.p.m. The method involves the use of calculated quantities of caustic soda, bleaching powder (36 per cent. Cl₂) and sodium thiosulphate.

A major project has been the study of contamination of rivers by foam-producing detergents.

In the report of the Committee on Synthetic Detergents (chairman, Sir Harry Jephcott) published in 1956, it was recommended that "manufacturers of household synthetic detergents should investigate the feasibility of producing efficient washing products based on materials that can be readily oxidised or eliminated, and will not cause persistent foaming, during sewage

treatment by present available methods." As a result a new anionic surface-active material has been developed. Tests have been made at the laboratory to compare the behaviour, during biological treatment of sewage, of the new material with the kind in current use. It was found that, when a steady state had been reached in treatment processes, about 90 per cent. of the new type of detergent was removed, compared with about 68 per cent. of the type of material at present marketed. The Laboratory has investigated the toxicity of these substances. Household detergent added to clean water has been found toxic to rainbow trout in about three months at 3 p.p.m. Surface-active materials remaining in effluent after sewage containing household detergents is treated are less toxic than the original materials. Detergents reduce the efficiency of installations using the diffused-air activated-sludge sewage process; detergent reduces the rate of uptake of oxygen from the air which, in that process, is blown through the sewage to bring about purification. The effect is most marked when the air supply is only just sufficient to maintain aerobic conditions. That may explain why more serious effects are noticeable at some works than at others. Probably the most conspicuous effect of the presence of synthetic detergents in sewage is the production of foam, both at sewage-treatment works and in rivers. A study has been made of the amount of foam produced in relation to the character of the liquid and concentration of detergent and a simple test has been developed for comparing the foaming tendencies of samples of sewage and effluent. The method has been

adapted for the rapid routine testing of samples containing synthetic detergents. When the liquid is allowed to foam to its maximum height before the column breaks and collapses, the amount of foam produced in a given liquid increases linearly with the concentration of active agent. The tendency to foam is greatest in clean water, becoming progressively less as the amount of polluting matter in the liquid is increased. There is a constant relation between the weight of active matter lost from solution and the volume of foam formed.

Bacteriological and biochemical research are clearly essential to the understanding and control of sewage processing, and new techniques are an outcome of the work. The most widely used process for treating sewage is biological filtration. The sewage is distributed over the surface of a bed of stones or similar material, usually about 6 ft. deep. A film of micro-organisms on the surface of the medium oxidises organic matter and renders it inoffensive. The biochemical activity of the organisms is being investigated by growing them on the internal surface of an inclined rotating tube through which sewage is allowed to flow—a type of apparatus first used in the United States. The biochemical oxygen demand and the contents of organic carbon and nitrogen in the influent and effluent are determined; the rate of respiration is measured by determining the carbon dioxide produced. The weight of the organisms and the mean thickness of the film are also determined by weighing the tube after allowing it to drain for a fixed period, showing substance of the film needed to purify the sewerage.

MACHINERY

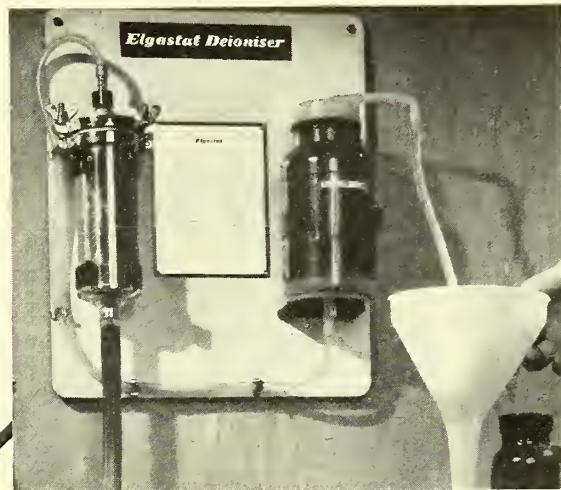
Micro Wet Grinder. — For grinding animal or vegetable tissues Townson & Mercer, Ltd., Croydon, offer an apparatus that can grind in three minutes a sample that would take forty minutes by hand. It has a completely enclosed motor, Perspex hand rest and guard, and three sizes of grinding tubes, and grinds on the principle that an outer glass tube containing the material is rotated while an inner glass plunger is held.

Magnetic Oxygen Analyser. — Distillers Co., Ltd., London, W.1, have granted to Servomex Controls, Ltd., Croydon, a licence to manufacture the "null-balance" magnetic oxygen analyser (subject of D.C.L. patents). The instrument instantaneously measures the oxygen content of gas streams

A FLEXIBLE CONTAINER FOR BULK LIQUIDS: Bulk liquids may now be transported by ordinary all-purpose lorry if use is made of the Portolite light-weight flexible container devised by Marston-Excelsior, Ltd., Wolverhampton (a subsidiary of Imperial Chemical Industries, Ltd.). The container is of strong woven fabric. It is understood that the method is suitable for a wide variety of liquids including acids and alkalis according to choice of fabric for the container.



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TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, MAY 27: Prices of CRUDE DRUGS were in the main steady at previous levels. Demand was for small lots to cover immediate commitments.

Most PEPPERS were easier in all positions. Among AROMATIC SEEDS spot offers of ANISE fell slightly. GINGER from various sources was generally quoted lower and prime Cape ALOES was easier again for shipment. Scarcity of NUX VOMICA caused the shipment value to rise by 10s. per cwt. MENTHOL is very short on the spot and indications for Brazilian new-crop were considerably higher than recent values.

In PHARMACEUTICAL CHEMICALS, ZINC OXIDE added a further 30s. per ton to a 40s. rise of the previous week, making the minimum 2-ton rate now £109 per ton. Quoted lower were AMIDOPYRIN, PHENAZONE and SODIUM IODIDE, details for which are given below.

Increased production facilities for TITANIUM DIOXIDE have been announced by one of the manufacturers.

CITRONELLA OIL was fractionally dearer.

Pharmaceutical Chemicals

ACETANILIDE. — 1-cwt. lots are 2s. 10d. per lb. for crystals and 5-cwt., 2s. 9d.

ALUMINIUM HYDROXIDE. — One-cwt. lots of B.P.C. 1943 are 3s. 3d. per lb.

AMIDOPYRIN. — Minimum rate is 20s. 1d. per lb. with usual differentials for smalls.

ANTIMONY SALTS. — Quotations for POTASSIUM TARTRATE B.P., are 7s. 6d. per lb. for 1-10 cwt. and SODIUM TARTRATE, B.P., 12s. 6d.

ASPIRIN. — 5-cwt. lots are 4s. 9d. per lb.; 1-cwt., 4s. 11d. The CALCIUM SALT is 12s. 6d. per lb.

ATROPINE. — Rates for 16-oz. (500-gm.):

	per oz.	per kilo
	s. d.	s. d.
ALKALOID	39 0	1375 0
HYDROCHLORIDE	36 0	1269 0
METHONITRATE	39 0	1375 0
METHYLBROMIDE	38 6	1357 0
SULPHATE	34 0	1198 6

BARIUM SULPHATE. — 250-kilo lots of B.P. (x-ray) are now 3s. 3d. per kilo.

BENTONITE. — Offers of B.P. material are about £70 per ton as to quantity.

BORAX. — B.P. grade for quantities of 1 ton and upwards; Granular, £55; crystals, £57 10s.; powder, £58 10s.; extra fine powder, £59 10s. per ton. Supplied in hessian sacks. Prices of commercial range from £45 to £50 10s. per ton, as to type and packing. Dehydrated borax is £68 per ton in paper-lined hessian bags or £67 in paper bags; carriage paid in Great Britain. Surcharges for smaller quantities: Less than 1 ton but not less than 5 cwt., 1s. per cwt., 3 cwt., 2s.; 1 cwt., 3s.

BORIC ACID. — Prices (per ton) for B.P. grade in quantities of 1 ton and upwards are as follows: — Granular, £89 10s.; crystals, £96 10s.; powder, £94; extra-fine powder, £96 per ton in lined hessian bags, carriage paid in Great Britain. Less £1 per ton if supplied in paper bags. Technical grades range from £75 10s. to £85 per ton according to type and packing.

CALCIUM CARBONATE. — B.P. light precipitated powder, 1-ton lots, £33 per ton in free bags, ex works.

CALCIUM CHLORIDE. — B.P. crystals are 1s. 3d., and granulated, 10d. per lb. in 1-cwt. lots.

CALCIUM GLUCONATE. — Quantities of 3 cwt. and upwards are quoted at 3s. 6d. per lb.; 1 cwt. to 2 cwt., 3s. 7d.

CALCIUM PANTOTHENATE. — Price per kilo is £9 12s. 6d.

CALCIUM SUCCINATE. — Quotations are from 10s. 6d. to 12s. per lb., as to quantity. SUCCINIC ACID is from 10s. 6d. to 12s. 3d. per lb.

CARMINE. — Price is 75s. per lb. for 1-cwt. lots.

CHALK. — Prepared powder B.P., is £22 per ton for minimum 1-ton ex works.

CHINIPHON. — B.P. 1948 is 67s. per kilo; 50-kilo lots, 62s. 6d. per kilo. The sodium derivative (B.P. 1953) is 99s. 4d. and 92s. 9d. for the same quantities.

CHLORAL HYDRATE. — In 1-cwt. lots the price is about 4s. 3d. per lb.

CHLOROFORM. — 1-cwt. lots in winchesters are 3s. 4d. per lb.; 56-lb., 3s. 6d. In drums, prices are 3s. 2d. and 3s. 2d. per lb. respectively.

DEXTROSE. — In bulk, MONOHYDRATE, £76 per ton delivered; ANHYDROUS, £115.

ETHER. — Prices (per lb.) in winchesters are as follows: — TECHNICAL B.S.S., and SOLVENT, 5-cwt. 2s. 7d.; (4s. 1½d. litre). In drums the price is 2s. 2d. per lb. ANÆSTHETIC, B.P., 5-cwt., 3s. 10d.; 10-cwt. 3s. 9d.

GLYCEROPHOSPHATES. — Rates per lb. for 1-cwt. lots are as follows: — ACID, B.P.C., 20 per cent., 4s. 7d.; CALCIUM, soluble, B.P.C., 12s.; IRON, B.P.C., scale, 15s. 9d. and powders, 14s. 9d.; MAGNESIUM, soluble B.P.C., 14s. 3d. and insoluble, 7s. 6d.; MANGANESE, B.P.C., 27s.; POTASSIUM, 50 per cent., B.P.C., 3s. 9d. and 75 per cent., B.P.C., 5s. 6d.; SODIUM, 50 per cent., 2s. 7d.; 75 per cent., 4s. 6d.; 100 per cent., 8s.

HEXAMINE. — B.P. is 1s. 11½d. per lb. for 1-ton lots, delivered in 1-cwt. kegs. Technical is threepence per lb. under those rates.

HOMATROPINE. — Current rates (per oz.) for 16-oz. lots are now: ALKALOID, 30s. 6d.; HYDROBROMIDE, 24s. 6d.; HYDROCHLORIDE, 28s. 6d.; METHYLBROMIDE, 25s. 6d. 1-oz. rates are 1s. 6d. per oz. above those rates.

IODIDES. — Current quotations (per lb.) include the following: —

	28-lb.	1-cwt.	5-cwt.
	s. d.	s. d.	s. d.
POTASSIUM	7 6	7 3	7 0
SODIUM	10 0	9 9	—
AMMONIUM	21 9	20 5	—

LACTATES. — CALCIUM, B.P., is 2s. 3d. per lb. in 5-cwt. lots and 2s. 4d. in 1-cwt. lots; CALCIUM SODIUM for similar quantities is 4s. 9d. and 4s. 10d. per lb.

LACTIC ACID. — B.P. is 4s. 5d. per lb. for 12-winchester lots and 4s. 4d. for 5-cwt. lots.

LACTOSE. — English, in 1-ton lots packed in 1-cwt. paper-lined sacks, is £129 10s. per ton, delivered in the United Kingdom.

MERCURY DERIVATIVES. — Quotations (per kilo) for less than 50-kilo lots are now as follows: — AMMONIATED, B.P., lump or powder, 58s. 9d.; PERCHLORIDE, B.P., powder, 50s. 9d. and lump, 51s. 9d.; SUBCHLORIDE (calomel), B.P., 58s.; OXIDES, yellow, B.P., 61s. 6d.; red B.P.C., 1949, 62s. 6d.

METHOIN. — B.P. is about 120s. per lb.

METOL. — In 1-cwt. lots the price is 24s. 6d. per lb.

PARALDEHYDE. — B.P. in 12-winchester lots is 2s. 7d. per lb.; 10-gall. carboy, 2s. 2d., and 5 carboys, 2s. Stabilised in 40-gall. drum lots, 166s. per cwt.; technical, 149s. per cwt.

PHENACETIN. — In 5-cwt. lots makers' price is 6s. 8d. per lb.; 1-cwt. 6s. 9d.

PHENAZONE. — Imported material minimum rate, 12s. 2d. per lb.

RESORCINOL. — 1-cwt. lots are now quoted at 12s. 4d. per lb. by manufacturer [corrected note].

SULPHOCARBOLENES. — SODIUM PHENOSPHONATE, B.P.C., 1949 (powder) is 5s. 6d. per lb. in 1-cwt. lots and ZINC, B.P.C., 1949, is 5s. 6d.

ZINC CARBONATE. — In 1-cwt. lots the price is 1s. 9d. per lb.

ZINC CHLORIDE. — B.P.C. cake from 4s. 6d. to 4s. 10d. per lb.; sticks from 5s. 10d. to 6s. 2d. per lb. TECHNICAL, 115s. per cwt.

ZINC OXIDE. — B.P. quality in 2-ton lots is £109; 1-ton, £110; 10-cwt., £111.

ZINC PEROXIDE. — Price (per lb.) for 1-cwt. lots of B.P. is 5s. 3d.

ZINC SULPHATE. — B.P. in 1-cwt. lots is quoted at 1s. 9d. per lb.; technical, 60s. per cwt.

Industrial Chemicals

ACETALDEHYDE. — The 100 per cent. is £155 per ton.

ACETATES. — Prices (per cwt.) for drum lots are as follows: — AMYL (technical), 255s., and B.S.S., 257s. BUTYL, 179s.; ETHYL, 151s.; ISOPROPYL, 147s.

ACETIC ANHYDRIDE. — 10-ton lots are quoted at £126 per ton, delivered U.K. in returnable drums; 1-ton lots, £128.

ACETONE. — One-ton lots are quoted at 90 per ton.

BENZOLE. — Thiophene-free is from 9s. 3d. per gall. for one 50-gall. barrel and pure, 6s. 3d. per gall. for similar lots.

N-BUTYL ALCOHOL. — 1-ton to 5-ton lots are quoted at £159 per ton and one-drum lots are £163 per ton. Secondary is £130.

CARBON TETRACHLORIDE, B.P. — 1-2-carboxy lots are £135 per ton. TECHNICAL, in 40-gall. drums, in less than 1-ton lots is £84; 1-ton and under 2 tons, £81; 2 tons and under 4 tons, £80 10s.; 4 tons and upwards, £79 10s.

ISOPROPYL ALCOHOL. — Technical grade (99 per cent.) 5s. 0½d. per gall. for 10,000-gall. lots; anhydrous in drum lots is £108 per ton.

METHYL ETHYL KETONE. — One-ton lots in drums are quoted at £145 per ton.

METHYL ISOBUTYL KETONE. — One-ton lots (in one delivery) are now £165 per ton.

NAPHTHALENE. — Home market prices (per ton for 4-ton lots at one time) are as follows: — CRUDE, crystallising point 64-71.9° C., £22 5s. to £23; WHIZZED, c.p. 72-77.5° C., £27 5s. to £35 15s. according to the crystallising point, ex works; PHTHALIC grade, minimum c.p. 77.5° C., £42 10s. ex maker's works; CRYSTALS from £62 10s. to £65. delivered; BALL AND FLAKE, £71 to £73 10s. delivered.

PHTHALATES. — Prices (per ton) for drum lots are as follows: — DIBUTYL, £216; DISOBUTYL, £202; DIETHYL, £193 10s.; DIMETHYL, £185.

STEARATES. — Spot prices for minimum 1-ton lots are now as follows: — ALUMINIUM (all grades), 258s. 6d. per cwt., CALCIUM (precipitated), 248s. 6d.; LEAD (30 per cent.), 228s. 6d.; MAGNESIUM (standard), 261s. and (superfine), 307s.; ZINC, 261s. to 291s. as to grade.

TITANIUM DIOXIDE. — In 5-ton spot lots anatase is from £162 5s. per ton; rutile is £178 5s. for surface-coated and £170 for non-surface-coated.

Crude Drugs

ACONITE. — Spot supplies of Spanish *napellus* are 2s. 6d. per lb.

AGAR. — Kobe No. 1 is 11s. per lb., in bond; new-crop for shipment, 11s., c.i.f.

ALOES. — Cape prime on the spot is 212s. 6d. per cwt. and for shipment, 185s., c.i.f. Curaçao, 500s., spot; shipment, 540s., c.i.f., asked.

ANISE. — China Star is scarce at origin. Forward shipment done at 110s. per cwt., c.i.f.; spot, 125s., in bond.

ARECA. — Selected round nuts 125s. per cwt., spot.

BALSAMS. — Quotations per lb. are:— CANADA: Spot, 23s. COPAIBA: Para from 7s. 6d., duty paid. PERU: Scarce at origin. Spot, 10s. in bond. TOLU (genuine as imported): 17s., spot and 15s., c.i.f.; B.P., 15s. spot.

BELLADONNA. — Herb is 8s. 3d. per lb. on the spot. Root is 1s. 6d. spot; shipment, 1s. 3d., c.i.f.

BUCHU.—Spot rounds are 5s. 9d. per lb. and new-crop for shipment, 5s. 2d., c.i.f.

CALABAR BEANS. — Spot offering at 1s. 7½d. per lb.

CALAMUS.—Root is quoted at 1s. 4d. per lb., c.i.f.

CAMPHOR. — Chinese POWDER, B.P., is from 3s. 0d. per lb., duty paid. TABLETS, ½-oz., are 5s. 6d. in bond.

CAPSICUMS. — East African are from 140s. to 175s. per cwt. on the spot.

CARDAMOMS. — Aleppy greens, spot, 14s. 6d. per lb.; forward shipment, 14s., c.i.f. Seeds, spot, 22s., shipment, 19s. 6d., c.i.f.

CASSIA LIGNEA.—Spot, in bond, whole 265s. and shipment, 225s., c.i.f., per cwt.; FISTULA, 115s.

CHERRY BARK.—Thin natural is 1s. 5d. per lb., and rossed is 1s. 11d.

CHILLIES. — Spot Mombasa are 170s. per cwt. and Zanzibar, 225s.

CINNAMON.—Ceylon for May-June shipment (c.i.f.) per lb.; OOOO, 6s. 5½d.; OOO, 6s. 2½d.; OÖ, 6s. 0½d.; seconds, 4s. 8½d.; featherings, 2s. 1½d.; quillings, 3s. 9d.; chips, 1s. 0½d.

CLOVES. — Zanzibar on the spot are 3s. per lb.; shipment, 2s. 8d., c.i.f.

COCHINEAL.—Silver-grey Peruvian on the spot from 5s. 3d. to 6s. as to quantity; Canary Isles black brilliant, about 16s. 9d.; silver-grey, 18s., spot.

COCILLANA.—Bark is 1s. 8d. per lb. on the spot.

COLOCYNTH PULP.—Spot, 2s. 9d. per lb.

DIGITALIS LEAF.—Purpurea from 1s. 2½d. to 2s. 7d. per lb., c.i.f.

ELEMI.—Spot from 1s. 10½d. per lb.

ERGOT.—Portuguese for shipment nominally 7s. 3d., c.i.f., per lb. Eastern European not offering.

FRANGULA.—Spot is 105s. per cwt.

GENTIAN. — Spot; French, 160s. per cwt.; Jugo-Slavian, 152s. 6d.

GINGER. — African, 120s. per cwt. spot and 100s. (new crop), c.i.f. Jamaican No. 3, spot, 247s. 6d. and shipment 200s. c.i.f. Cochin spot quoted 120s.; shipment 142s. 6d., c.i.f.

GUM ACACIA. — Kordofan cleaned sorts are 162s. 6d. per cwt. on the spot; June-July shipment, 152s., c.i.f.

HENNA.—Indian on the spot is now 95s. per cwt., ex wharf.

HYDRASTIS.—Spot 28s. per lb.

IPECACUANHA. — Shipment (c.i.f.) Matto Grosso, 52s., nominal per lb.; Colombian, 54s.; Nicaraguan, 67s.; Costa Rican, 71s. Spot Matto Grosso, 54s.

KARAYA. — No. 1 gum on the spot is quoted at 270s. per cwt. nominal, No. 2 at 230s., nominal.

KOLA NUTS. — Jamaican spot market cleared, shipment, 7d. per lb., c.i.f. African 5d. to 5½d. spot and 4d., c.i.f.

KRAMERIA.—Root is quoted at 90s. per cwt.

LANOLIN. — ANHYDROUS, B.P., is from 170s. to 175s. per cwt. in 1-ton lots and HYDROCHLORIDE, B.P., 150s., free drums delivered.

LIQUORICE. — Natural root: Persian on the spot is 50s.; for shipment, 42s. 6d., c.i.f., per cwt. Russian, July-August, 58s. 6d., c.i.f. Block juice: Anatolian and Chinese, 190s. per cwt.; Italian stick from 310s. to 476s. per cwt. Spray dried extract, 3s. per lb.

LOBELIA HERB. — Spot offers of American are 3s. 9d. per lb. and for shipment, 3s. 6d., c.i.f. Dutch 3s. 1d., c.i.f. for shipment; spot 3s. 5d.

MACE. — Whole pale blade 23s. 6d. per lb. on the spot.

MENTHOL.—Brazilian, 41s. in bond and for shipment 41s., c.i.f.

MERCURY. — Price per flask (76-lb.) is £77 10s. on the spot.

NUTMEGS. — West Indian 80's 17s. per lb., spot; sound unassorted, 12s. 6d.; defectives, 8s. 9d.

NUX VOMICA.—Scarce. Shipment, 75s. per cwt., c.i.f.

ORANGE PEEL. — Spot: Sweet ribbon, 2s. per lb.; bitter quarters: West Indian, 1s.; Spanish, 1s. 7d.

ORRIS ROOT. — Florentine is 345s. per cwt.

PAPAIN.—East African, 17s. 6d. per lb., c.i.f., for grade one, spot, 20s. Belgian Congo and Ceylon No. 1 white, 16s., c.i.f.

PEPPER. — White Sarawak on spot is easier at 2s. 9½d. per lb., and June shipment at 2s. 8½d., c.i.f. Black Sarawak is 1s. 9d. spot, and June shipment 1s. 8d., c.i.f. Black Malabar quoted at 230s. The shipment price is 210s., c.i.f.

PEPPERMINT LEAVES.—Dutch, 2s. 2d. to 2s. 10d. per lb., c.i.f.

PIMENTO.—Spot value is 550s. to 560s. per cwt.

PYRETHRUM.—Extract, minimum 25 per cent. w/w pyrethrins, is 75s. per lb. for small lots.

QUASSIA.—Spot offers are 50s. per cwt., ex wharf.

QUILLAIA.—Spot offers of whole bark at 125s. per cwt.; cut, 160s. Whole for shipment, 95s., c.i.f.

RAUWOLFA. — *Canescens*, 3s. 6d. per lb., c.i.f.; *Vomitoria*, 2s. 3d., c.i.f.; *Serpentina*, 6s., c.i.f. asked.

RHUBARB. — Chinese small rounds 6s. 4½d. to 6s. 9d. on the spot.

SAFFRON. — Spanish is quoted at 200s. per lb.

SARSAPARILLA.—Jamaican native red on the spot is 2s. 6d. per lb. Shipment, 2s. 4d., c.i.f.

SEEDS. — (Per cwt.) ANISE. — Spanish, 157s. 6d.; Turkish, 142s. 6d.; both duty paid. CARAWAY.—Dutch at 105s., duty paid.

CELERY.—Indian easier at 155s., on spot. Shipment, 127s. 6d., c.i.f. CORIANDER.—Moroccan on spot offering at 50s., duty paid and 45s., in bond. Old crop for shipment 38s., c.i.f. paid. CUMIN.—Iranian continues firm at 270s., duty paid and 255s., in bond.

DILL.—Indian is 75s., on spot, and for shipment 62s. 6d., c.i.f. FENNEL.—Chinese quoted at 145s., duty paid, and Indian at 135s., spot. FENUGREEK.—Moroccan 42s. 6d., duty paid. MUSTARD.—English 100s. to 125s., according to quality.

SENEGA. — Spot offered at 14s. 9d. per lb.; shipment, 14s. 6d., c.i.f.

SENNA. — *Tinnevelly* LEAVES, prime No. 1, 1s. 5d. per lb., f.a.q.; No. 3, 10d. PODS: Manufacturing (f.a.q.), 1s. 3½d. and hand-picked, 1s. 9d. to 2s. 2d. *Alexandria* pods: Manufacturing, offered from 1s. 6d. with hand-picked from 4s. to 6s. 6d.

Essential and Expressed Oils

ALMOND. — British oil is 9s. per lb., Moroccan, 6s. 9d., in bond.

AMBER.—Rectified on the spot is 1s. 6d. per lb.

ANISE. — Chinese, 7s. 10d. per lb., spot; shipment, 7s. 9d., c.i.f.

BAY.—West Indian is 12s. 6d. per lb. on the spot.

BERGAMOT. — Spot supplies are from 86s. 6d. per lb.

BOIS DE ROSE.—Brazilian is 14s. per lb. on the spot and 13s., c.i.f.

CADE.—Spanish is 3s. 6d. per lb. for drum lots.

CAJUPUT. — Spot supplies are from 11s. 6d. per lb.

CALAMUS.—Spot quotations are 62s. 6d. per lb.

CARDAMOM.—Price per lb. is from 330s. for English-distilled and 267s. 6d. for imported.

CELERY SEED. — Oil is 65s. per lb. for bulk lots.

CHENOPODIUM.—Spot value is 38s. per lb. for original containers.

CITRONELLA. — Ceylon, spot is 3s. 9d. shipment, 3s. 8d., c.i.f. Formosan, spot 4s. 2d. in bond, shipment, 4s. 3d., c.i.f.

EUCALYPIUS.—Australian 70 to 75 per cent. eucalyptol on the spot is 4s. 9d. per lb., 80-85 per cent., 5s. 6d. Spanish (70-75), 4s. spot. Chinese 3s. 6d. to 3s. 9d.

GRAPEFRUIT. — Jamaican, 20s. per lb. spot. Californian for shipment, 19s. 8d. per lb., c.i.f. South African, 10s. spot.

LEMON.—B.P. grades from 16s. to 26s. per lb. on the spot. Californian for shipment, 25s. to 28s. 6d., c.i.f. Terpeneless, 500s. per lb.

LEMONGRASS.—Spot 6s. 1½d. per lb., and shipment, 6s., c.i.f.

OLIVE.—French, is 20s. to 21s. per gall. on the spot, for B.P. quality. For shipment, North African £205-£210 per 1,000 kilo, c.i.f. Spanish, £213 per 1,000 kilo, f.o.b.

PATCHOULI.—Penang is 37s. 6d., duty paid and 35s., c.i.f., per lb. nominal.

PENNYROYAL.—Spot is quoted from 17s. per lb., duty paid.

PEPPERMINT.—*Arvensis*: Chinese is 27s. per lb., spot nominal; shipment not offering. Brazilian steady at 12s., both spot and shipment. Formosan, 16s. 6d., spot; June-July shipment, 16s., c.i.f. *Piperita*: Italian "Mithcam-type" from 42s. 6d. to 48s. 6d.; American, 27s. 6d. to 30s., as to origin.

PETITGRAIN.—Paraguay 18s. 6d. per lb., spot; shipment, 17s. 9d., c.i.f. nominal.

SANDALWOOD.—Mysore offered from 80s. to 82s. 6d. per lb. as to source. East Indian, 79s., spot.

TANGERINE.—Hand-pressed is 55s. per lb. and machine-pressed, 42s. 6d.; others 26s. to 28s. on the spot.

VETIVERT.—Spot is currently at about 80s. per lb.

YLANG YLANG.—Spot is from 32s. 6d. to 46s. per lb. as to grade.

UNITED STATES REPORT

NEW YORK, MAY 26: The position in QUININE SALTS remained competitive, especially in HYDROCHLORIDE. Prices ranged from 23 to 26 cents an ounce. Synthetic *laevo* MENTHOL was boosted ten cents to \$6.50 a lb. CASCARA dipped three cents a lb. while purified PAPAIN fell \$1.25 to a new level of \$5.75 a lb. Higher per lb. among ESSENTIAL OILS were CLOVE LEAF at \$1.55, up 15 cents; BOIS DE ROSE at \$2, up 25 cents; and Formosan CITRONELLA, 60 cents, up five cents.

WORLD TRADE

American Interest in Germany. — Pfizer & Co., Brooklyn, New York, U.S.A., have set up a branch in Karlsruhe, Germany.

U.S. Soap and Detergent Sales. — Sales of soap and synthetic detergents in the United States totalled 975,294,000 lb. valued at \$249,417,000 in the first three months of 1959. Tonnage increased 1 per cent. over the first quarter of 1958. Soap sales were at 242,398,000 lb. worth \$70,273,000, down 10 per cent. in weight and 2 per cent. in value from a year earlier.

U.S. Investments in South Africa. — The United States at present had almost \$600 millions (about £214,285,700) invested in South Africa, compared with \$90 millions in 1943 and \$480 millions in 1956. Mr. Victor von Lossberg, American Consul in Johannesburg, said recently at the annual dinner of the Springs Chamber of Commerce and Industries. His recent tour of the principal American cities, he said, had made it clear to him that "Big Business" in the United States was well informed about South Africa and considered that few countries could match the economic advantages of the Union.

TRADE MARKS

APPLICATIONS ADVISED BEFORE REGISTRATION

From the "Trade Marks Journal," April 29

For pharmaceutical preparations and substances (5)

DELTA FENOX, 784,442, by Boots Pure Drug Co., Ltd., Nottingham.

For pharmaceutical preparations for the treatment of obesity (5)

BISPANSINE, 785,631, by Riker Laboratories, Ltd., Loughborough, Leics.

For pharmaceutical preparations and substances for human and veterinary use; and sanitary substances and disinfectants (5)

WARPEL, 786,023, by Imperial Chemical Industries, Ltd., London, S.W.1.

For all goods (5)

VALGIS, 786,483, by Distillers Co. (Biochemicals), Ltd., Speke, Liverpool, 24.

For pharmaceutical preparations for the treatment of rheumatism (5)

ELESTOL, 786,660, by Farbenfabriken Bayer, A.G., Leverkusen, Germany.

For pharmaceutical preparations made from herbs (5)

HERBESAN, 781,153, by Aneienne Maison Louis Sanders, S.A., Brussels, Belgium.

For electric torches for use in connection with photographic flash lamps (11)

COMBINETTE, 785,733, by Julius Joseph Silber, London, W.C.1.

From the "Trade Marks Journal," May 6

For chemical products used for the preparation of perfume compositions (1)

LILIAL, 779,482, by L. Givaudan & Cie, S.A., Geneva, Switzerland

For all goods (1)

MELPREX, 785,786, by American Cyanamid Co., New York, U.S.A.

For perfumes, toilet waters, eau de Cologne and toilet soap (3)

GREAT LADY, B781,653, by Parfums Eyan, Inc., New York, U.S.A.

For perfumes (3)

DEBUT, 781,863, by Joseph George Feinberg, London, S.W.3.

For perfumed soap flakes, perfumes, non-medicated toilet preparations for the skin, essential oils, cosmetics and hair lotions (3)

SATIN FOAM, 782,695, by Boots Pure Drug Co., Ltd., Nottingham.

For pharmaceutical substances for human and veterinary use; and sanitary substances and disinfectants (5)

HELMOVIX, 778,001, by Imperial Chemical Industries, Ltd., London, S.W.1.

For all goods (5)

ENITHOL, 781,096, by Imperial Chemical Industries, Ltd., London, S.W.1. RADOSTEN, 783,773, by C. H. Boehringer Sohn, Ingelheim-on-Rhine, Germany. URIDOX, 785,612, by The British Drug Houses, Ltd., London, N.1.

For perfumed soap (3)

Device with word PERSONALITY, B779,590, by British Glues & Chemicals, Ltd., London, W.C.2.

For pharmaceutical preparations (5)

AGEDAL, 780,642, by Farbenfabriken Bayer, A.G., Leverkusen, Germany.

For pharmaceutical preparations for the treatment of the skin (5)

GENIE, 781,818, by Genatosan, Ltd., Loughborough, Leics.

For preparations for killing weeds (5)

MONAX, 782,377, by Chipman Chemical Co., Ltd., London, S.W.1.

For all goods, but not including infants', invalids' and dietetic foodstuffs or medicated confectionery (5)

SUSTAC, 782,610, by Pharmax, Ltd., Bexleyheath, Kent.

For dietetic foods in powder form (5)

MINIBISK, 783,922, by Andomia Products, Ltd., Bradford, Yorks.

For pharmaceutical preparations containing camphor, camphor compounds, or camphor derivatives, for use in the treatment of hypertension (5)

CAMPHIDONIUM, 784,458, by Dr. Karl Thomae, G.m.b.H., Biberach-on-the-Riss, Germany.

For cineruographic projection apparatus, apparatus for receiving, recording or reproducing sound; caueras, etc. (9)

Device with word DOMINUS, 780,534, by Dominus, Paris, France.

For surgical gloves made of rubber or of plastics (10)

CHIRETTE, 781,957, by Byk-Gulden Lomberg Chemische Fabrik, G.m.b.H., Konstanz, Germany.

From the "Trade Marks Journal," May 13

For chemical products for use in metallurgical processes and in foundries (1)

DOSSANOL, DOSSANIT, 769,299-300, by Henri Jean Daussan, Metz, France.

For soaps, perfumes, cosmetics, non-medicated toilet preparations, shampoos for the hair, hair lotions and deodorants (3)

SWEEP, 758,134, by Sooty Concessions, Ltd., London, E.C.4.

For toilet preparations for colouring or tinting the hair (3)

COLOTINT, B779,384, by Nestle-Lemur Co., New York, U.S.A.

For all goods being for export to and sale in Puerto Rico, but not including starch or blue (3)

SHELL, and device with word SHELL, 780,160-61, by Shell Co. (Puerto Rico), Ltd., London, E.C.3.

For perfumes, toilet preparations (not medicated), cosmetic preparations, deodorants, depilatory preparations, toilet articles, sachets for use in waving the hair, soaps and essential oils (3)

MATCHABELLI, 784,399, by Chesebrough-Pond's, Ltd., London, N.W.10.

For preparations for the hair (3)

IVORINE, 784,981, by Hans Schwarzkopf, Hamburg-Altona, Germany.

For polishes (3)

CONKER, 786,306, by Deb Chemical Proprietaries, Ltd., Belper, Derbyshire.

For soaps, and detergents (not for use in industrial or manufacturing processes) (3)

GAIN, 787,295, by Thomas Hedley & Co., Ltd., Newcastle-on-Tyne.

For veterinary preparations for use in caponising poultry and cattle (5)

CAPETIES, 765,569, by Chas. Pfizer & Co., Inc., New York, U.S.A.

For all goods (5)

DEBRICIN, 773,562, by Johnson & Johnson, New Brunswick, U.S.A. SAFF, 785,008. DIO-TROXIN, 787,011. FLOTIADIN, 787,419, by Glaxo Laboratories, Ltd., Greenford, Middlesex.

For pharmaceutical preparations (5)

VITSULE, 774,656, by Marfleet Refining Co.,

Ltd., Hull, Yorks. PRENC, 787,409, by Farbenfabriken Bayer, A.G., Leverkusen, Germany.

For pharmaceutical substances and preparations (5)

BARBOL, 778,755, by West Pharmaceutical Co., Ltd., London, S.W.1. MACSAL, 783,320, by Macleans, Ltd., Brentford, Middlesex. MEPRO-SAL, 783,588, by Wallace Manufacturing Chemists (Exports), Ltd., London, N.W.3.

For pharmaceutical preparations for human use (5)

GASTONAL, 780,637, by Imperial Chemical Industries, Ltd., London, S.W.1.

For pharmaceutical, veterinary and sanitary substances; and infants' and invalids' foods (5)

POTALUX, 781,050, by Ernest Alfred Tookey, London, E.C.3.

For uddied powders for the feet (5)

DRYLON, 782,671, by Scholti Mfg. Co., Ltd., London, E.C.1.

For insecticides for killing moths and chemical preparations for use in repelling moths (5)

FLORAMOTH, 782,723, by James McKee & Co., Ltd., Chalfont St. Giles, Bucks.

For disinfectants, veterinary preparations, insecticides, fungicides, larvicides, germicides, preparations for killing weeds and brushwood (5)

DORMONE, 782,899, by Burt, Boulton & Hayward, Ltd., London, W.C.2.

For antibiotics (5)

MYCINGUN, 783,770, by C. H. Boehringer Sohn, Ingelheim-on-Rhine, Germany.

For ear drops being pharmaceutical preparations (5)

CERULYT, 785,482, by Jacob Rabinovitch, London, N.16.



TV THEATRE PARTY: Forty Edinburgh district chemists and their wives photographed during a visit to the Scottish Television Theatre Royal some weeks ago. The visit was arranged by Chas. H. Phillips & Co., Ltd., Newcastle-on-Tyne.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Wednesday, June 3

NORWICH BRANCH, NATIONAL PHARMACEUTICAL UNION, Assembly House, at 8 p.m. Brains trust on current N.P.U. problems.

Thursday, June 4

BRADFORD BRANCH, NATIONAL PHARMACEUTICAL UNION, Midland hotel, at 7.45 p.m. Mr. T. Heseltine (a member of executive) on "The Proposed Pharmaceutical Publicity Association." CHEMICAL SOCIETY, Burlington House, Piccadilly, London, W.1, at 7.30 p.m. Original papers, ISLE OF WIGHT BRANCH, PHARMACEUTICAL SOCIETY, Ryde pier head (for 1.30 p.m. ferry). Outing to Eli Lilly & Co., Ltd., Basingstoke, SOCIETY FOR ANALYTICAL CHEMISTRY, Cooper Technical Bureau, Berkhamsted, Herts, at 11 a.m. Tour of entomological and chemical laboratories, field research station, etc.

Sunday, June 7

LONDON CHEMISTS' GOLFING SOCIETY, West Surrey Golf Club (Godalming 278). Meeting, Ladies welcomed.

TELEVISION

Programme details are given to enable chemists to put in linking-up displays if they wish. Figures in the columns represent number of appearances of the product during the week.

June 7-13

	London	Midland	North	Scotland	Wales	South	N.E.
Alka Seltzer	2	2	2	—	1	—	2
Amami wave set	2	3	1	2	2	3	3
Anadin	4	4	3	4	3	4	4
Andrews liver salt	2	2	2	2	2	2	4
Anne French	1	1	—	1	1	1	1
Askit	—	—	—	12	—	—	—
Aspro	7	8	9	7	8	7	7
Beecham's pills	2	2	1	3	3	3	3
Beecham's powders	3	3	3	3	4	3	3
Brylcreem	3	3	4	4	4	3	4
Cephos	—	—	3	—	—	—	—
Cooltan	2	—	—	—	—	—	—
Cooper's aerosols	2	2	2	3	2	2	2
Cutex lipstick	2	3	2	—	—	—	—
Dento	—	—	3	—	—	—	—
Dylon dyes	—	—	3	—	—	—	—
Eno's Fruit Salt	2	3	1	—	—	—	—
Formula 21	—	—	2	—	—	—	—
Fynnon salt	1	4	1	1	2	1	1
Germolene	1	1	—	1	1	1	1
Gibbs' S.R. tooth-paste	3	3	2	2	4	3	3
Gillette razors and blades	1	1	1	1	1	1	1
Go	—	—	—	—	—	2	—
Hiltone	2	—	—	—	—	2	—
Ibcol	2	2	2	2	2	2	2
Immac	1	1	—	1	1	1	—
Ingram shaving cream	—	3	3	—	3	3	—
Isovac	—	1	—	1	1	—	—
Johnson's baby shampoo	3	—	—	—	—	—	—
Knight's Castile	7	7	7	—	—	—	—
Lucozade	2	2	2	3	3	2	—
Macleans tooth-paste	3	3	5	4	3	3	4
Marzine	11	6	10	9	9	9	9
Max aerosols	8	2	3	2	2	1	2
Max Factor preparations	8	7	4	6	4	7	3
Milk of Magnesia tablets	5	6	1	—	—	—	—
Milk of Magnesia	2	—	—	2	1	2	1
Milpar	2	—	—	—	—	—	—
Mix-a-Shake	8	4	2	—	4	4	—
Nervone	1	1	—	—	—	—	—
Pantene	—	—	—	—	10	—	—
Philips tooth-paste	—	—	1	—	—	—	—
Phyllosan	1	3	1	—	1	—	—
PLJ	2	—	—	2	—	—	—
Quickies	3	3	—	—	3	—	—
Ramer sponges	—	—	—	1	—	3	—
Remington shavers	2	2	2	2	2	2	2
Rinsestand pastilles	—	—	—	1	1	—	—
Robinade	3	3	—	—	—	—	—
Robinson's lemon-barley water	4	3	3	—	3	3	2
Sanmex	—	—	—	1	—	—	—
Saxin	6	6	6	6	6	6	6
Sek	1	1	1	1	1	1	1
Setlers	4	3	3	—	3	7	3
Silvikrin liquid shampoo	9	2	2	2	2	4	2
Stratton sunglasses	1	3	3	—	—	—	—
Style	3	3	3	3	3	3	3
Sun-Orange Quosh	3	3	3	3	2	4	2
Thermos	1	1	1	1	1	1	1
Trice	2	—	—	—	—	—	—
Wilkinson Sword-Edge	—	—	4	—	—	—	—
Yeast-Vite	1	1	1	1	—	—	—
Zal	4	4	6	4	4	—	—
Zoflora	2	—	—	2	2	2	2

PRINT AND PUBLICITY

PUBLICATIONS

Booklets and Leaflets

BURROUGHS WELLCOME & CO., 183 Euston Road, London, N.W.1: "Living with Diabetes"—a guide for new diabetics, Pp. 26.

KODAK, LTD., Kodak House, Kingsway, London, W.C.2: Kodacolor film, "Make your own movies"; Kodak Bantam Colorsnap camera; "The Finest Negative Materials Ever Made"—a review of Kodak films.

STAFFORD ALLEN & SONS, LTD., Wharf Road, London, N.1: Know your peppermint, Pp. 7. A booklet dealing with the various grades of peppermint oil.

Price Lists

CIBA LABORATORIES, LTD., Horsham, Sussex:

Trade price list amendments.

GLAXO LABORATORIES, LTD., Greenford, Middlesex: Antibiotics price card, April 1959.

HUDSON & KNIGHT, LTD., 6A Tudor Street, London, E.C.4: Price list, May.

PARKE, DAVIS & CO., LTD., Hounslow, Middlesex: Revised retail prices—changes in Purchase Tax, Pp. 4.

RYBAR LABORATORIES, LTD., Tankerton, Kent: Trade price list, April.

Medical Propaganda

MANUFACTURERS' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists.

ARMOUR LABORATORIES (ARMOUR CHEMICAL INDUSTRIES, LTD.), Hampden Park, Eastbourne: "Tryptar ointment" (4-p. folder).

THE BRITISH DRUG HOUSES, LTD., Graham Street, London, N.1: "Mycil spray, Siccolam-B and Cobadex ointment" (folder), "Sectrosteron" (blotter).

BRITISH SCHERING, LTD., 229 Kensington High Street, London, W.8: "Oblivon," "Neutradonna" (folders).

DUNCAN, FLOCKHART & CO., LTD., 16 Wheatfield Road, Edinburgh, 11: "Xylocaine gel for urethral anaesthesia" (4-p. folder).

GENGY PHARMACEUTICAL CO., LTD., Wythenshawe, Manchester, 23: "Dosalfin suspension and tablets" (folder), "Dosalfin dosage calculators."

GLAXO LABORATORIES, LTD., Greenford, Middlesex: "Efcoftelan soluble," "Efcoftelan tablets" (information cards).

MERCK, SHARP & DOHME, LTD., Hoddesdon, Herts: "Injection Codelsol" (7-p. booklet).

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), Dagenham, Essex: "Largactil in intractable pain" (folder), "Phenrgan elixir—when a child cannot sleep at night" (card), "Soneryl" (information card), "Stemetic—in Ménière's syndrome" (folder).

UPJOHN OF ENGLAND, LTD., Fleming Way, Crawley, Sussex: "Neo-Cortef ear and eye ointment" (4-p. folder and information card).

Periodicals

BRUCE, STARKE & CO., LTD., 5 Fenchurch Street, London, E.C.4: *Drago Report* No. 4, 1959, pp. 12.

CHILEAN IODINE EDUCATIONAL BUREAU, Chile House, Ropemaker Street, London, E.C.2: *Current Iodine Literature*, Vol. 6, No. 5.

MOND NICKEL CO., LTD., Thames House, Millbank, London, S.W.1: *The Nickel Bulletin*, April, Vol. 32, No. 4.

PARKE, DAVIS & CO., LTD., Hounslow, Middlesex: *Parke-Davis Bulletin*, No. 1, 1959.

HENRY WIGGIN & CO., LTD., Wiggin Street, Birmingham, 16: *Wiggin Nickel Alloys*, No. 51.

Catalogues

PEELING & KOMOLSY, 181 Victoria Street, Dunstable, Beds: Zeiss Ikon catalogue 1959.

C. & D. WEEKLY LIST OF PRICES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; * = Tax 25 per cent.; ‡ = Tax 50 per cent.

WILLIAM R. WARNER & CO., LTD. (from June 10)

	Doz.
Mandelamine tablets*	500 315 0 R
	1,000 600 0 R
Hafgrams*	250 275 0 R
	500 530 0 R

P.A.T.A. LIST

(Alterations notified this week by the Proprietary Articles Trade Association.)

ADDITIONS TO THE LIST

CLARNELL LTD. I.R.P.
Adwin paediatric* 4 fl. oz. 30 0 4 4‡
Dareets 20 0 2 6

A. S. HINDS, LTD. (Distributors, LEHN & FINN PRODUCTS, LTD.)

Hinds moisture lotion‡ 18 6 3 1
hand lotion‡ 11 0 1 10

The former pack of Hinds honey and almond cream has been discontinued.

W. LAMBERT & CO., LTD.

Vita fruits 16 6 1 10

The Proprietary Articles Trade Association regret that the announcement of the deletion of Benacine capsules (Parke, Davis & Co., Ltd.) was incorrect. The notification should have indicated that the capsules were exempt from purchase tax.

NEW PRODUCTS AND PACKS

COTY (ENGLAND), LTD.

"Frosted White" lipstick‡ 4 3



NEW SHOWCARDS: The new showcards illustrated have been produced by Cuxson, Gerrard & Co., Ltd., Oldbury, Birmingham, for their specialties Aidex first-aid cream, which they say has proved effective and popular for sunburn; and Sanoid baby pants, claimed to be "the best all-round value in this field today."

PRESS ADVERTISING

DENDRON DISTRIBUTORS, LTD., 94 Rickmansworth Road, Watford, Herts: Larsons S.M.D. In *Daily Express*, *Daily Mirror*, *Daily Sketch*, *Daily Mail*, *Daily Telegraph*, *Sunday Express*, *Sunday Dispatch*, *Sunday Graphic*, *Observer*, *The People*.

ESSO PETROLEUM CO., LTD., Speciality Dept., 128 Albert Street, London, N.W.1: Flit. In national Press, women's magazines and *Radio Times*.

FEEDRITE, LTD., 300 Kingston Road, Merton Park, Surrey: Feedrite. In *Daily Mirror*, *Daily Express*, *News of the World*, *Reveille*, *Woman's Mirror*, *Sunday Pictorial*, *Weekend*, and *The People*.

ORGAN LABORATORIES, LTD., Brettenham House, Lancaster Place, London, W.C.2: Endocil. In *Woman*, *Woman's Own*, *Woman's Weekly*, *Everywoman*, *Housewife* and *Woman's Journal*.

PEPSODENT, LTD., 449 London Road, Isleworth, Middlesex: Model Set. In *Woman*, *Woman's Day*, *Woman's Realm* and *Daily Mirror*, Harmony. In *Modern Woman*, *Woman & Beauty*, *Woman*, *Woman's Realm*, *Woman's Own* and *Woman's Day*.

ROBERTS WINDSOR SOAP CO., LTD., The Acre, Windsor, Berks: Roberts Windsor soaps and toiletries. In *Woman*, *Woman's Own*, *Queen*, *Homes and Gardens*, *Everywoman*, *Housewife*, *Good Housekeeping*, *Woman and Beauty*, and in national newspapers.

SCHOLL MANUFACTURING CO., LTD., 182 St. John Street, London, E.C.1: Scholl Nylastik. In women's leading magazines and the medical journals.

J. C. GAMBLER & CO., LTD.

"Wicked White" lipstick‡ 2 8

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Intrathecal Ef-Cortolan 6 15 0 20 0

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(containing 1 per cent chlorphenesin in a pressurised pack)



- ✳ For the treatment of athlete's foot.
- ✳ Specially formulated to assist deep penetration of chlorphenesin into the skin layers.
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- ✳ Economical for prolonged treatment.
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"You can't rely on luck in the photographic business. I like to tell a customer definitely that I can get an item for him with certainty. That's where Fallowfield's come in. Their 24-hour service is just the ticket. I don't have to break off in the middle of a hard-selling day very often now. It's a rare event indeed if they haven't got something I need—rarer still if they can't get it. Another thing—there's never any hesitation from Fallowfield's about the quantity of an order—large or small it's just the same to them. Take my tip—try Fallowfield, you won't regret it."

If you would like to know more about the Fallowfield 24-hour service, complete the coupon. Your name will be put on their mailing list.

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24 hr. PHOTOGRAPHIC
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NAME

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(Capitals Please)

Febrilix is back

Boots Pure Drug Company have pleasure in announcing that supplies of Febrilix (paracetamol elixir) are once again available to meet prescriptions.

This new liquid analgesic/antipyretic is especially designed for children and is available in bottles of 70 c.c. containing 125 mg. paracetamol in each fluid drachm.

Basic N.H.S. price: 2/-.

Available from your usual wholesaler or from the wholesale division of



**BOOTS PURE DRUG COMPANY LIMITED
STATION STREET, NOTTINGHAM**

Telephone : Nottingham 56111
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(Capitals Please)



Spur-of-the-moment

- * sales go up
- * with these
- * free
- * counter service
- * units from

HALEX

C670 Nylon comb unit:—

2 dozen pocket combs C101 1/6d. each retail.
 1 dozen bag combs C202 1/9d. each retail.
 1 dozen tail combs C303 1/9d. each retail.
 1 dozen gents' dressing combs C405 2/-d. each retail.
 1 dozen ladies' dressing combs C404 2/6d. each retail.
 Similar units available for 6 dozen Halex
 Acetate or Imprene combs.

Refill packs available

of 1 dozen combs

Every comb bubble-packed

Every comb individually priced

Wonderful assortment of colours

**See your usual wholesaler soon—
and step up your spur-of-the-
moment sales.**

HALEX

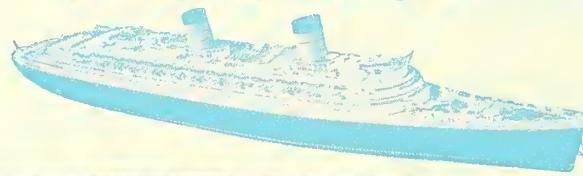
(a Division of British Xylonite Company Limited)
HIGHAMS PARK, LONDON E.4

- * — the name for better
- * COMBS



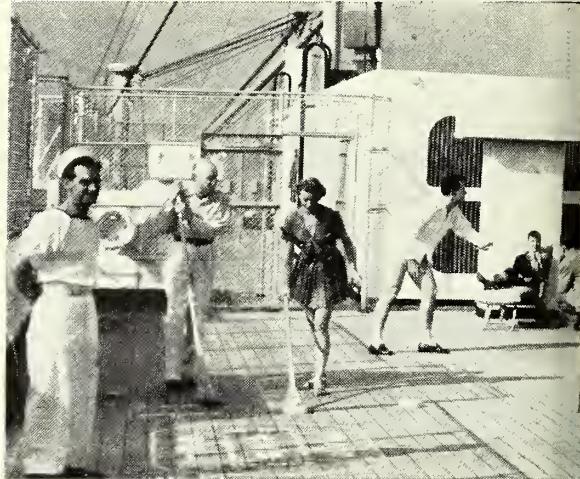
- * For more spur-of-the-moment sales ask your wholesaler to deliver one of these 4-dozen wire dispensers for nylon, acetate or Imprene combs
- * —specially designed to hang or stand.

YOU could win this for two



BOWATER-SCOTT offer you

- * 1st Class flight by BOAC Comet to New York
- * 8 glorious days there in luxury hotel with all expenses paid
- * 5 days' V.I.P. travel home in a mighty "Queen" Liner
- * Generous spending allowance throughout
- * Locum paid while you're away



2nd Prize £200

3rd Prize £50

AND 65 FURTHER CASH PRIZES!

Enter Scotties Window Display Competition

**15th June
to
1st August**



fabulous V.I.P. holiday in New York!

chemists only—here's a chance to win a holiday for two that you'll remember as the most exciting and luxurious of your life. And at the same time you'll be making the most of the big summer holiday demand 'wet-strength' Scotties! Imagine it! A V.I.P. flight for two to New York in the world's smoothest, most comfortable aeroplane—the BOAC Comet Jetliner. Met at Idlewild (it's New York's airfield) by our associates in the Scott Paper Company, where your hosts in America, and driven to one of New York's luxury hotels. Then—eight days of thrilling new experiences with all expenses paid and plenty of spending money. Finally, the restful delight of the five-day voyage home, 1st Class of course, in the "Queen Elizabeth" or "Queen Mary." V.I.P. treatment right the way through. Responsibilities—no worries—free to do what you like, go where you please. And you can take the holiday when you wish. A wonderful dream? You can start to make it come true by entering the Scotties Window Display Competition.

DISTINGUISHED PANEL OF JUDGES

Bowater-Scott have arranged for final judging by a panel headed by Elizabeth Allan, famous stage, radio and TV personality, and including Mr. Owen Muller, M.P.S., F.S.T.D., Editor of the *Chemist & Druggist*; James Gardner, C.B.E., R.D.I., F.S.I.A., internationally famous designer of the British Pavilion at Brussels Exhibition; and W.R. Whitfield Landers, Advertising Consultant to the Advertising Agency for Scotties. Remember, it's not necessarily the best display that will win—it's the display that shows the greatest originality and is judged likely to sell Scotties.

Start planning now—
good luck!



65 REGIONAL PRIZES!

Extra prizes to be won in each of the following regions:

GREATER LONDON (London postal districts)

SOUTHERN REGION (excluding Greater London)

MIDLAND REGION

NORTH-WESTERN REGION (Yorks, Lancs, and Cheshire)

NORTHERN, SCOTTISH & N. IRELAND REGION

1ST PRIZE £25

2ND PRIZE £10 3RD PRIZE £5

Plus 10 Consolation Prizes of 1 guinea

WHAT YOU HAVE TO DO

- 1 During the seven weeks from 15th June to 1st August, 1959, set up a display of Scotties in your window and keep it there for two weeks or more.
- 2 Send in a black-and-white photograph of this window display (size approx. 10" x 8"), together with the completed coupon on this page. You will be sent 5/- towards your photographic expenses. (Copyright in all photographs shall belong to Bowater-Scott Corporation Ltd.)
- 3 Entries should arrive not later than first post on 4th August, 1959. Results will be notified by the 15th August, 1959.

NOTE: The judges' decision will be considered as final and no correspondence will be entered into.

ENTRY FORM

Fill this in, cut it out, and post with photograph to

SCOTTIES DISPLAY COMPETITION

40 Berkeley Square, London, W.1.

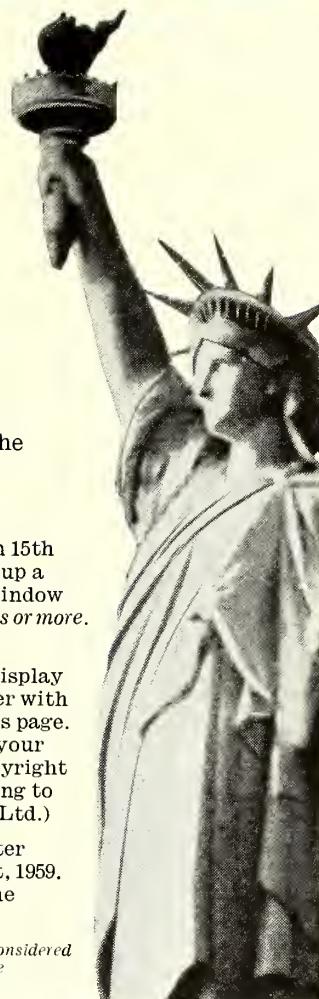
NAME.....

ADDRESS.....

Dates (inclusive) of Window Display, from to

I guarantee that my Scotties Display has been/will be retained for these two weeks. I agree to abide by the rules and conditions of this competition and to accept the judges' decision as final.

SIGNATURE



This Summer

stick

to this quick selling line

**Sells to
public at 3d**

To Retailers: Under 3 gross 27/- per gross
3 gross & over 24/- per gross

Order now from your usual wholesale supplier
or direct from:— **KAY BROTHERS LTD
REDDISH, STOCKPORT**



Absolutely sure way to catch flies • Holds them fast for good • Guaranteed to remain fresh while stored • In eye-catching display boxes of 3 & 6 dozen • Quick turnover line

**honeypot
flycatchers**

910

This, of course, refers to Eastman 910—a new adhesive of special properties for special applications. Eastman 910 will bond almost any surface to another with the exception of polythene and fluon.

It has the following advantages:

1. **Rapid set time.** This varies from seconds to minutes, depending on the surfaces bonded.
2. **Versatility.** It has a very wide range of applications.
3. **Easy handling.** A one component adhesive, no mixing is required prior to application.
4. **Minimum internal stress.** No solvent to evaporate, no heat or excessive pressure required. Shrinkage is of very low order and so minimum residual stress is built up within the adhesive film.

For further information write to:

KODAK LTD. KIRKBY, LIVERPOOL

Telephone: Simonswood 2977/8

Target for Talcum

Could you sell more Cuticura Talcum Powder? We are pulling our weight with widespread and regular national advertising of this popular preparation. It's simply left to you to display one or two of the attractive Cuticura tins as point-of-sale reminders. Along, of course, with all those other, similarly sought-after, Cuticura lines. Stock, show and recommend

**Cuticura
Talcum Powder**

also
**SOAP • OINTMENT
HANDCREAM • MEDICATED LIQUID
SHAVING STICK**



With summer
just round the corner
now is the time
to stock up and
profit from
the bonus terms.

new 2oz bottle for Lacto-Calamine

Nationwide Publicity
for Lacto-Calamine

Generous Bonus Terms
with Lacto-Calamine

will make 1959 a great year for the
leading protective, antiseptic powder base and
skin food... and a profitable year for you!

CROOKES LACTO-CALAMINE LOTION
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The handy new 2 oz. bottle retails at 2/5

The handbag size 1 oz. bottle retails at 1/7½

The family size 4 oz. bottle retails at 3/2½



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needs wise advice***

The responsibility for family planning shared by young married people can be helped by timely advice concerning reliable contraception methods.

Gynomin and Antemin, both of which are physiologically sound and aesthetically agreeable, provide alternative means of contraception and may be confidently recommended.

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Prophylactic Tablets

Tubes of 12 tablets.
(Retail 3/6) 31/6 doz.

Quantity discounts

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Contraceptive Cream

Tubes of 55 G.
(Retail 3/-) 2/-

The Family Planning Association advise that for maximum safety, any chemical contraceptive should be used with a mechanical barrier.

Supplies of "Planned Parenthood" booklets and display material are available on request.

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WHAT DO YOU KNOW?

"Tell me, Mr. Chemist, who would you say produce a range of dispensing boxes really adequate to your needs?"

"Robinsons of Chesterfield sir. And there's not the slightest doubt about it."

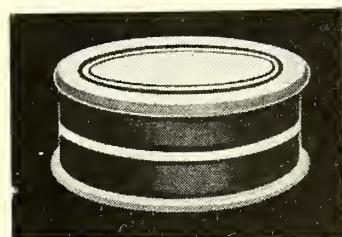
"But can they cater for all your requirements?"

"Without a single exception sir. Their range of Chemists' boxes include Pill Boxes, Chepette and Sealite Ointment Boxes, Purple Flanged Pill Boxes, Standard 'Little John' Drums, Pill and Tablet Cartons—in fact the lot."

"Well, Mr. Chemist, this must add up to a tremendous amount of Robinson 'know-how'."

"It does indeed sir and any Chemist who disregards it is years behind in his methods."

Ask your wholesaler for particulars.



PURPLE FLANGED PILL BOX



Robinsons of Chesterfield

ROBINSON AND SONS LIMITED WHEAT BRIDGE MILLS CHESTERFIELD

Telegrams: "Boxes" Chesterfield. Telephone: 2105, 8 lines

London Office: King's Bourne House, 229/231, High Holborn, London W.C.1. Telegrams: 'Omnibox' Holb. London. Telephone: Holborn 6383



NEW-PATERSON Photographic Accessories

These new goods, DISPLAYED AT THE PHOTO FAIR, will be distributed to dealers in approximately 3/4 weeks.

PATERSON SILICONE POLISHING CLOTH. Generous 11 x 11 in. size. Essential for transparency mounting—gives a brilliant lustre to glasses. Restores and imparts a protective silicone film to all camera parts, chromium etc. **2/3**

NEW TYPE 35 MM FRAMES

New one-piece construction consisting of an 'envelope' with a hinged side portion. Push out the glasses, slip in the transparency, snap the hinged portion shut—easily and quickly done.

New spring back feature holds the transparency and glasses pressed together. Built-in spotting feature. Heat resistant cream plastic—liberal size title panel.

PATERSON BLOCKFILE. Each block file unit is a miniature four-drawer filing cabinet complete in itself, holding 400 card mounts or a smaller number of glass mounted slides. Grooves for front index card and adjustable index spacers provided inside. The ideal 'business' way of storing transparencies. Units can be stocked alongside and on top of each other. Beautifully finished in 3-tone plastic.



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*The ONE Ointment
for the
MANY Skin Troubles*



ST. JAMES' BALM is the proven remedy for common skin troubles—and for some quite uncommon ones too! Because it contains the broth filtrates of the microbes causing most skin infections, treatment is successful in an exceptional number of cases. ST. JAMES' BALM is therefore the ideal general-purpose ointment for family use. On merit alone, ST. JAMES' BALM is in steadily increasing demand. You may stock and recommend it with absolute confidence.



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CARBONATES B.P.

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Vitavel Syrup is readily accepted by patients of all ages. This liquid vitamin supplement is delicious—a careful blend of true orange juice and liquid glucose with vitamins A, B₁, C and D.

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Vitavel Syrup

Packs	Retail	Chemists
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Packs	Retail	Chemists
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1,000	48/-	32/9 each

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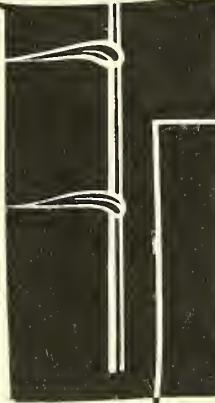
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DELTA-FENOX (Prednisolone Nasal Spray) combines the anti-inflammatory activity of prednisolone with the established decongestant properties of FENOX.

Delta-Fenox is only available on prescription

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Dr. WERNET'S POWDER

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Wholesale Houses only supplied

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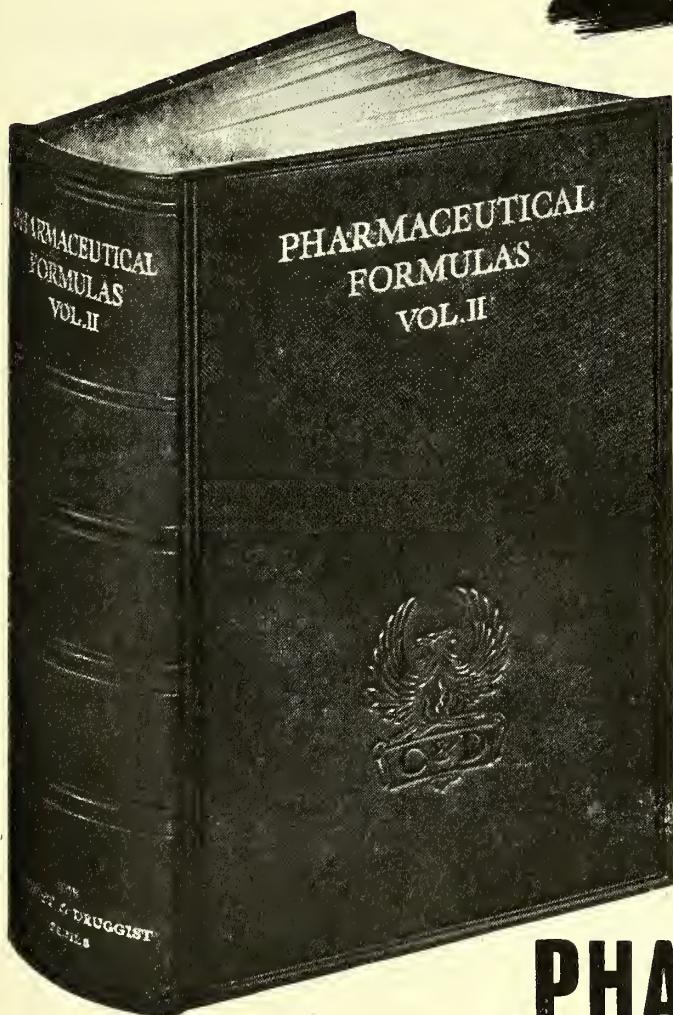
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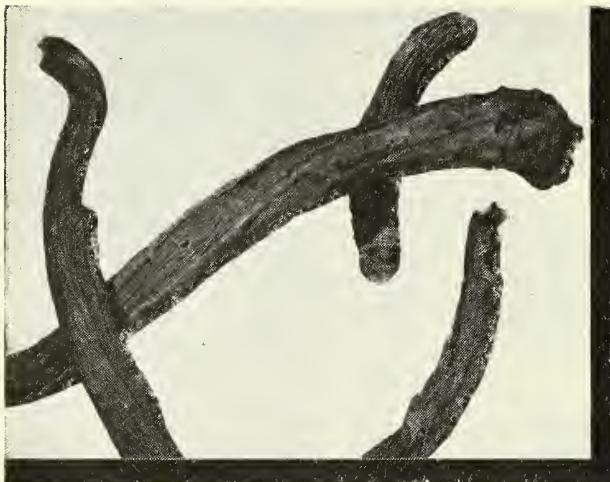
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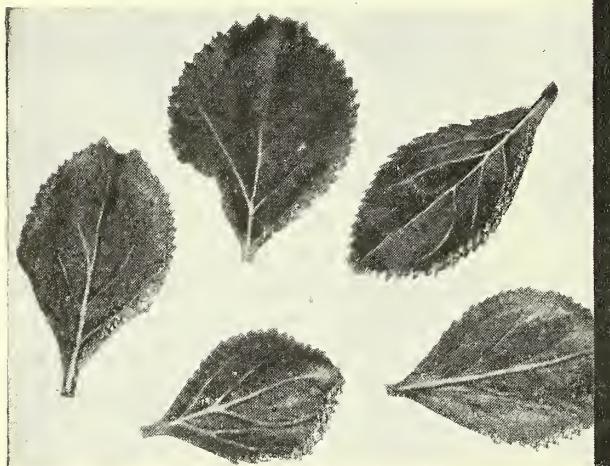
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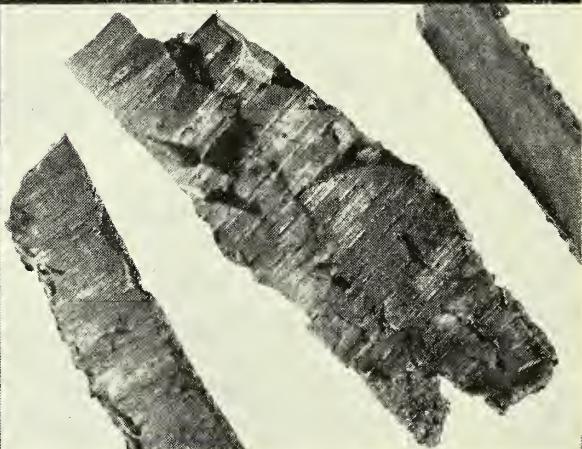
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The successful candidate will be required to pass a medical examination.

Accommodation available for female candidate for which a charge of £2 8s. per week will be made.

Applications giving particulars of age, experience and qualifications, together with names of two referees to the Physician Superintendent, as soon as possible. C 417

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE, BETHNAL GREEN HOSPITAL, CAMBRIDGE HEATH ROAD, LONDON, E.2

Locum Pharmacist

required for varying periods between May 18 and October 3 for duties in the modern pharmacies at three hospitals in the Group. Salary up to 16 guineas per week. Applications to the Chief Pharmacist. C 447

ANCOATS HOSPITAL, MANCHESTER, 4

Locum Pharmacist

required for an indefinite period commencing August 10. Salary to be arranged by agreement. Applications to the General Superintendent.

C 9347

BOSTON COMBINED HOSPITALS, LINCOLNSHIRE

(319 Beds)

Locum Chief Pharmacist

required from August 23 to September 5, 1959. Salary £16 16s. per week. Apply to the Hospital Secretary, Boston General Hospital, Boston, immediately. C 9352

CENTRAL GROUP H.M.C.

Locum Dispensing Assistants

required for the following periods, June 18—July 25, August 17—September 12 for duties at three hospitals within the Group. Salary up to £10 per week, plus London Weighting, according to age and qualifications. Applications to Chief Pharmacist, Bethnal Green Hospital, Cambridge Heath Road, London, E.2. C 457

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE

Locum Pharmacist

required for indefinite period. Salary up to £16 16s. per week. Apply to Chief Pharmacist, St. Leonard's Hospital, Nuttall Street, N.1. C 456

EDGWARE GENERAL HOSPITAL, EDGWARE, MIDDLESEX

Locum Pharmacist

required as from June 1, 1959, for indefinite period. Salary £18 18s. per week. Apply immediately to Chief Pharmacist, telephone Edgware 2381. C 9341

EDGWARE GENERAL HOSPITAL, EDGWARE, MIDDLESEX

Pharmacist

A vacancy will occur shortly for a pharmacist, non-resident, for full-time duty. The hospital is a large modern one of 715 beds with a busy Out-patient Department, situated within easy travelling distance of the centre of London. Whitley Council salary scales and conditions of service. Apply in writing, stating age, qualifications and experience and the names and addresses of two referees, to the Group Secretary, Hendon Group Hospital Management Committee, Edgware, Middlesex, not later than June 6, 1959. C 9340

BOLINGBROKE HOSPITAL, WANDSWORTH COMMON, S.W.11

Locum Chief Pharmacist

13th—25th July, 1959, inclusive. Apply Hospital Secretary. C 9367

HAMMERSMITH HOSPITAL AND POST-GRADUATE MEDICAL

SCHOOL, DU CANE ROAD, LONDON, W.12

Senior Pharmacist

required at above General Post-graduate Teaching Hospital (Category V) to supervise sterile produce laboratory and take part in general work of the Pharmaceutical Department. Post offers wide variety of experience. Whitley Council salary scale and conditions. Detailed applications, naming two referees, to Chief Pharmacist as soon as possible. C 9332

GENERAL HOSPITAL, SOUTHEND-ON-SEA

Student

required in the pharmacies of the hospitals in the Southend-on-Sea Group from September 1, 1959. Salary for post-graduate students £400. The hospital is situated in pleasant surroundings and the post offers excellent opportunities for experience in all branches of pharmaceutical work including dispensing for in-patients and for patients from a busy consultative out-patient department, manufacturing, sterilising, dressings and instruments. Applications stating age, particulars of education, etc., with the names of two referees, should be sent to the Secretary at the Hospital as soon as possible.

J. C. FIELD,
Secretary.
C 9374

HAMMERSMITH HOSPITAL AND POST-GRADUATE MEDICAL

SCHOOL, DU CANE ROAD, LONDON, W.12

Locum Pharmacist

required at above General Teaching Hospital for several weeks commencing immediately. Salary £16 16s. per week. Apply, giving particulars of experience, to Chief Pharmacist. C 9333

HACKNEY HOSPITAL, LONDON, E.9

Locum Pharmacist

required for the above hospital. 14-16 guineas p.w. according to experience. Write Secretary, above address, with full details. C 450

HEATHERWOOD ORTHOPAEDIC HOSPITAL, ASCOT

Locum Chief Pharmacist

required two weeks commencing August 24. Salary £16 16s. per week. Residential accommodation available for female. Apply with full details to Secretary. C 9354

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Appointments—Continued**HILLINGDON HOSPITAL,
UXBRIDGE, MIDDLESEX**

Locum Tenens Pharmacist

Residential accommodation available. Apply Medical Director, telephone: Uxbridge 8282, C 9361

**HOSPITAL MANAGEMENT
COMMITTEE FOR
ST. FRANCIS AND
THE LADY CHICHESTER
HOSPITALS,
ST. FRANCIS HOSPITAL,
HAYWARDS HEATH, SUSSEX**

Locum Pharmacist

required from June 15 for an indefinite period. Salary £18 18s. per week. Apply in writing to the Secretary. C 9338

**LAMBETH HOSPITAL,
BROOK DRIVE, S.E.11**

Locum Pharmacist

required, Salary by agreement. Telephone Chief Pharmacist, Reliance 3804. C 453

**KINGSTON HOSPITAL,
WOLVERTON AVENUE,
KINGSTON-UPON-THAMES**

Locum Pharmacist

required from June 8, 1959. Salary £16 16s. per week. Applications to Physician Superintendent of the hospital. C 9362

**KING EDWARD VII HOSPITAL,
WINDSOR**

(Category III Hospital)

Pharmacist

required immediately. Whitley salary. Applications giving details of service to Secretary. C 9351

**LAMBETH HOSPITAL,
BROOK DRIVE, S.E.11
(Acute General—501 Beds)**

Senior Pharmacist and Pharmacist

required. Salary in accordance with Whitley Council scale, plus London Weighting. Applications stating age, experience, qualifications and names of two referees to the Secretary. C 442

**LEYTONSTONE (No. 10)
HOSPITAL GROUP**

Assistant-in-Dispensing

Applications are invited from persons holding the Certificate of the Society of Apothecaries of London, or an equivalent qualification, for the above post at Langthorne Hospital, Leytonstone, E.11.

Commencing salary according to age, i.e., at age 21 £360 per annum, rising by annual increments to a maximum of £560 per annum. Whitley Council conditions of service.

Application forms obtainable from the Senior Medical Officer, to be returned by June 8, 1959. C 9355

**LAMBETH HOSPITAL,
BROOK DRIVE
(Acute General—501 Beds)**

Assistant-in-Dispensing

required. Whitley Council rates. Applications, stating age, experience and names of two referees to the Secretary. C 462

**METROPOLITAN HOSPITAL,
KINGSLAND ROAD,
LONDON, E.8**

Locum Pharmacist

required to work in a modern department. Apply to Hospital Secretary. C 445

**LONDON JEWISH HOSPITAL,
STEPNEY GREEN, E.1**

Pharmacist

Applications are invited for the post of Pharmacist. Vacancy from June 1, 1959. Whitley Council salary scale and conditions of service. Applications stating age, qualifications and experience, together with the names of two referees, to the Secretary, Stepney Group Hospital Management Committee, Mile End Hospital, Bancroft Road, E.1. (Further particulars may be obtained from the Chief Pharmacist, telephone: Stepney Green 4251.) C 9323

**MENSTON HOSPITAL,
ILKLEY, YORKS**

Locum Chief Pharmacist

(non-resident) required from July 27th to August 15th inclusive. Full-time or part-time. Terms by arrangement. Canteen facilities available. Applications, with full details and names and addresses of two referees to the Secretary as soon as possible. C 9372

**METROPOLITAN HOSPITAL,
KINGSLAND ROAD,
LONDON, E.8**

Pharmacist

for modern department. Permanent post. Salary scale £605-£815 p.a. plus higher qualification allowance and London Weighting. Please apply with details of age, training and experience to the Hospital Secretary. C 437

**NORTH MIDDLESEX HOSPITAL,
EDMONTON, N.18**

Post-graduate Student

Applications are invited for the post of post-graduate Pharmaceutical Student which will fall vacant in September 1959. Whitley Council salary and conditions of service apply. Applications stating age, qualifications and experience to the Group Secretary, North Middlesex Hospital, Edmonton, N.18. C 9357

**PUTNEY HOSPITAL,
LOWER COMMON, S.W.15**

Locum Pharmacist

Immediately. Interesting and varied work in this General Hospital of 106 beds. Apply Hospital Secretary. C 9368

**PINEWOOD HOSPITAL,
NINE MILE RIDE,
WOKINGHAM**

Locum Chief Pharmacist

required for three weeks from August 17. Salary £16 16s. per week. Residential accommodation available for single person. Applications to Secretary. C 461

**PUTNEY HOSPITAL,
LOWER COMMON, S.W.15**

Locum Chief Pharmacist

13th—25th July, 1959, inclusive. Apply Hospital Secretary. C 9369

**QUEEN CHARLOTTE'S
MATERNITY HOSPITAL,
339 GOLDHAWK ROAD,
LONDON, W.6**

Post-graduate Student

Applications are invited from a Post-graduate Student (woman) wishing to complete her training in a Post-graduate Teaching Hospital pharmacy. Whitley Council salary and conditions of service. Enquiries to the Chief Pharmacist and applications to the House Governor as soon as possible. C 9299

**ROYAL FREE HOSPITAL GROUP,
NORTH WESTERN BRANCH,
LAWN ROAD, HAMPSTEAD**

Locum Chief Pharmacist

required from mid-June to August. Salary £18 18s. per week. Applications with names of two referees should be addressed to the Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.1. C 9356

**ST. BERNARD'S HOSPITAL,
SOUTHALL, MIDDLESEX**

Assistant-in-Dispensing

required. Permanent, pensionable. Salary—age 21 £340 p.a., age 22 or over £415 p.a., rising to £540 p.a. Applications, giving age, experience, and names of two referees to Group Secretary. C 9365

**SHREWSBURY HOSPITAL
GROUP,****SHELTON MENTAL HOSPITAL**

Chief Pharmacist

Applications are invited from suitably qualified ladies and gentlemen for the post of Chief Pharmacist, single-handed.

Salary: £700 x £35 (1) x £30 (3) x £35 (1) x £30 (2) x £25 (1) to £945. Conditions of service as prescribed by the Pharmaceutical Council of Whitley Council.

Annual leave 21 days, plus all Bank Holidays. The appointment will be subject to the provisions of the National Health Service (Supervision) Regulations.

Applications, accompanied by the names and addresses of three referees, should be addressed to the Medical Superintendent. C 9366

**THE GENERAL HOSPITAL,
DEWSBURY, YORKS**

Pharmacist

required immediately for modern department in a Category III hospital. Post offers good experience including small-scale manufacturing. Accommodation for single person can be arranged, if required.

Applications giving age, experience and qualifications, together with the names and addresses of two referees to be sent to the Administrative Officer at the hospital, as soon as possible. C 9324

**ST. HELIER HOSPITAL,
CARSHALTON, SURREY
(733 beds)**

Senior Pharmacist

Applications invited for above post. General acute hospital (category V): well equipped Pharmaceutical Department. The successful applicant will be responsible for the manufacture and issue of ward stocks within hospital and also for issues to the other nine hospitals in Group.

Salary (plus London Weighting) in accordance with Whitley Council Scale. Good canteen facilities.

Apply giving names of two referees to the Secretary. C 9370

**ST. JOHN'S HOSPITAL,
ST. JOHN'S HILL,
LONDON, S.W.11**

Locum Pharmacist

Accommodation for lady available, or

Locum Assistant-in-Dispensing

to work under Chief Pharmacist. Hospital is near Clapham Junction station. Apply Secretary, naming two referees. C 9371

**ST. LEONARD'S HOSPITAL,
NUTTALL STREET, N.1**

Pharmacist

Applications are invited for the post of Pharmacist at this hospital. Salary and conditions in accordance with Whitley Council Scales. Applications, giving the names and addresses of two referees to be addressed to the Hospital Secretary. C 455

**STEPNEY GROUP HOSPITAL
MANAGEMENT COMMITTEE**

Deputy Chief Pharmacist (Category IV)

Applications are invited for the above post at Mile End Hospital, Bancroft Road, London, E.1. Whitley Council salary scale and conditions of service. The department is responsible for pharmaceutical supplies to another hospital and clinic in the Group and the preparation of sterile products. Further particulars may be obtained from the Chief Pharmacist (tel.: Advance 2873). Applications stating age, qualifications, experience and the names of two referees, to be sent to the Group Secretary at Mile End Hospital not later than June 1, 1959. C 9320

**ST. THOMAS' HOSPITAL,
LONDON, S.E.1**

Locum Pharmacists

Two required from June 22 for approximately eighteen weeks. Salary by arrangement. Apply Personnel Officer. C 451

**TOOTING BEC HOSPITAL,
TOOTING BEC ROAD, S.W.17**

Locum Pharmacist

required for two weeks from June 8, 1959. Salary by arrangement. Accommodation can be made available in the Male or Female resident homes, at moderate cost if required. Apply to the Chief Pharmacist. C 460

**WEST MIDDLESEX HOSPITAL,
ISLEWORTH, MIDDLESEX**

Pharmacist

for main pharmaceutical department. Salary £605-£815 per annum, plus London Weighting. Whitley conditions and assimilation point in salary scale according to experience.

Apply giving age, qualifications and experience, with names of referees to the Chief Pharmacist. C 464

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Applicants should give full details of previous appointments etc. in strictest confidence to the Home Sales Manager, S. Maw Son and Sons Limited, Aldersgate House, New Barnet, Herts.

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BLACKPOOL CO-OPERATIVE CHEMISTS, LTD., invite applications from pharmacists (male or female) for position of branch manager. Permanent and progressive position for suitable applicant. Superannuation scheme with transfer clause in operation. Salary based on scale and bonus not less than £910 per annum plus rota fees, and offers scope for increase. Applications in writing, stating age, experience and present position to Superintendent Chemist, Sheppard Street, Blackpool. C 2289

CHEMIST (male or female) required to manage a branch near Doncaster. Salary about £1,000 per annum, 44-hour week. Applications to Superintendent Chemist, Doncaster Co-operative Chemists, St. Sepulchre Gate, Doncaster. C 2277

DISPENSING ASSISTANT, lady, required for busy family dispensing business. Superannuation scheme and good working conditions. Please give all details of age, previous experience, salary required, in confidence, to Arnold M. Gee, Ltd., 70 Herbert Road, Plumstead, S.E.18. C 2287

KENT-LONDON BORDERS. Pharmacist required shortly by small company to take full charge of well-established family business, with a separate house if required. This business has an experienced staff, and a man of strong personality and proved experience is required as present manager, who has been there for some years, is being transferred to another position. Please give all details of age, previous experience, etc., in strictest confidence, to Box C 2288.

OLDHAM CO-OPERATIVE CHEMISTS, LTD., invite applications for position of pharmacy branch manager, either sex. Modern accommodation available if necessary. Superannuation, Salary and other emoluments at least £960. Applications, stating age, experience, etc., to Oldham Co-operative Chemists, Ltd., King Street, Oldham. C 454

WORTHING, SUSSEX. Posts require pharmacist for branch management, modern shop, well organised, adequate supporting staff. Rota one week in eight but no Sunday or early closing rota. Accommodation if required, ground-floor flat, away from business and near sea. Replies in confidence to: W. Aston & Co., Ltd., 25-27 Montague Street, Worthing. C 2286

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MILES LABORATORIES wish to appoint a capable man (aged 25-35) to the post of Assistant to Home Sales Manager. The qualities demanded are: good education, good manner; a general commercial knowledge and the ability to handle correspondence. Previous background in the field of publicly-advertised proprietaries is desirable. Good salary; contributory pension scheme. Applications, giving fullest details, in writing to:

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MILES LABORATORIES LIMITED,
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C 9358

YOUNG PHARMACISTS, either sex, as understudies for two very busy pharmacies. Really good salary and prospects. Write Steel, 58/59 East Street, Southampton. C 463

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A CHEMIST, aged 20-30 years and of higher National or similar level, is required by a Liverpool firm of manufacturing chemists for tablet production. Previous experience of this type of work is not essential. E. R. Squibb & Sons, Ltd., Edwards Lane, Speke, Liverpool, 24. C 9359

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If you are a pharmacist or have a pharmaceutical background, are under 35 years of age, in good health, have a pleasant personality, high integrity, and have the ability to sell, you are invited to apply for one of these appointments.

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Recruitment & Training Supervisor,

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C 9337

SCOTLAND. Well-established firm desires representative with Chemists' connections to sell novelties in tourist districts. 17½ per cent. commission. Applicants must state agencies held (treated in strictest confidence). Our existing representatives have been advised of this advertisement. Box C 2275.

MIDLANDS REPRESENTATIVE. Wholesale and manufacturing chemists require a representative for established territory in the Midlands. Candidates who should be between 25 and 40 years of age need not be pharmacists but should have a sound pharmaceutical background. Experience of calling on the medical profession as well as the retail chemist would be an advantage. Remuneration by salary and a company car provided. Box C 9360.

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Astra of Sweden, Scandinavia's largest pharmaceutical manufacturing and research group, is establishing a new British company to promote the products of their original research. The new company—ASTRAHARM LIMITED of Kingston—is looking for experienced medical representatives for territories in England, Scotland and Wales.

This is a brilliant opportunity for really first-class men to join a new, vigorous organisation offering excellent terms of employment, including a company car and generous expenses. Opportunities for promotion will soon occur as the planned development of Astrapharm Ltd., takes place.

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WHOLESALE (OVERSEAS)**BURROUGHS WELLCOME & CO.**

will shortly appoint a pharmacist for duties in West Africa on behalf of their distributors in that market. Opportunity for man aged about thirty who is interested in a career in commerce. Duties will include sales promotion and administration. Younger man considered if he possesses qualities offsetting his lack of experience. Initially an 18 months' tour followed by 3 months' home leave on full pay. Good salary. Free accommodation. First-class air/sea passages. Car provided. Low rate income tax. Apply with full details to Ref. TPN/LPN, Burroughs Wellcome & Co., The Wellcome Building, Euston Road, London, N.W.1. C 9349

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MAN, 30. Experienced medical representative, Yorkshire area, seeks position, excellent connection with profession locally, but prepared to move. Box C 2281.

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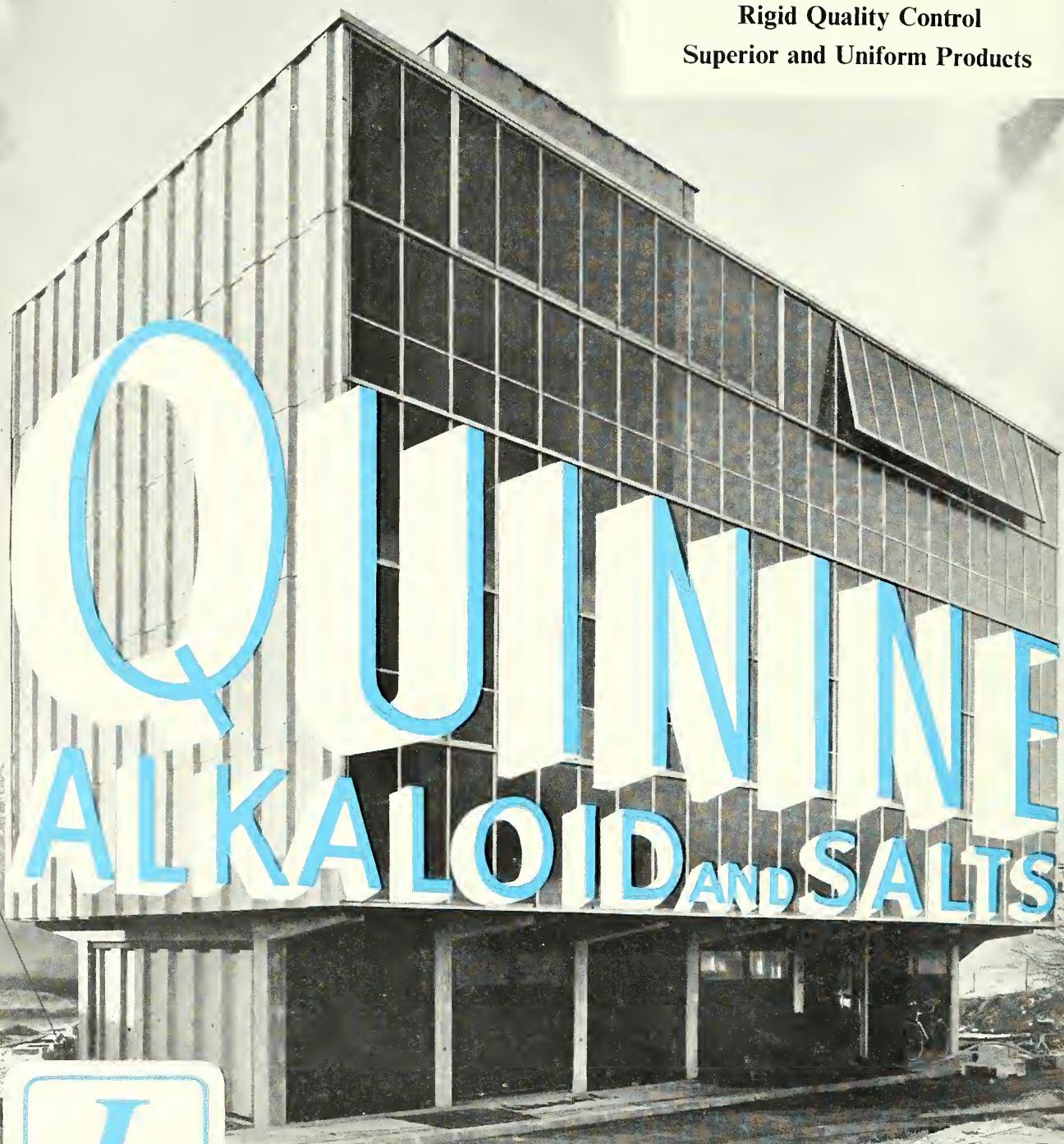


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